



Bill Barrett Corporation

April 27, 2007

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RECEIVED
APR 30 2007
DIV. OF OIL, GAS & MINING

Re: Directional Drilling R649-3-11
Lake Canyon Area #16-28-46 DLB Well
Surface: 1834' FSL & 344' FEL - NESE, 28-T4S-R6W
Bottom Hole: 660' FSL & 660' FEL - SESE, 28-T4S-R6W
Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-11, pertaining to Directional Drilling and the Location and Siting of Wells.

- The above-mentioned proposed location is within our Lake Canyon Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area and also minimize surface disturbance.
- BBC hereby certifies it owns a working interest along with Berry Petroleum Company, and together we own 100% of the working interest within 460 feet of the entire directional well bore.
- Our ownership rights under our Exploration and Development Agreement with the Ute Indian Tribe and UDC provides for the drilling of exploratory wells. Said agreement provides that we consult with these owners regarding the drilling of this well.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8546.

Sincerely,

Reed Haddock
Permit Analyst

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420



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DIV. OF OIL, GAS & MINING

Utah Division of Oil, Gas and Mining
P.O. Box 145801
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

16-28-46 DLB
Tribal Surface/Tribal Minerals
NESE, Section 28-T4S-R6W
Duchesne County, Utah

Diana Mason, Permitting - Petroleum Technician:

Enclosed please find the original copy of Bill Barrett Corporation's (BBC) application for permit to drill the above captioned well. Montgomery Archeological Consultants conducted a Class III archeological survey for this location. The results of this survey have been outlined in Montgomery's report dated April 17, 2007. Based on the findings, a determination of "no historic properties affected" is recommended for this site.

Please contact me at (303) 312-8546 if you need anything additional or have any questions.

Sincerely,

Reed Haddock
Permit Analyst

Enclosures

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. BIA 14-20-H62-5500
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202	3b. Phone No. (include area code) (303) 312-8546	8. Lease Name and Well No. # 16-28-46 DLB
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NESE, 1834' FSL, 344' FEL At proposed prod. zone SESE, 660' FSL, 660' FEL		9. API Well No. Pending 43-013-33631
14. Distance in miles and direction from nearest town or post office* Approximately 12.3 miles southwest of Duchesne, Utah		10. Field and Pool, or Exploratory Altamont
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 344' SHL; 660' BHL		11. Sec., T. R. M. or Blk. and Survey or Area Section 28-T4S-R6W U.S.B.&M.
16. No. of acres in lease N/A		12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 40		13. State UT
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1,450' abandoned well		19. Proposed Depth 9537' MD
20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7254' ungraded ground
22. Approximate date work will start* 07/01/2007		23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Reed Haddock	Date 04/27/2007
Title Permit Analyst		

Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 05-07-07
Title Off ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

Federal Approval of this
Action is Necessary

RECEIVED

APR 30 2007

DIV. OF OIL, GAS & MINING

Surf

537580X
4438960Y
40.101989
- 110.559102

BHL

537485X
4438602Y
40 098768
-110.560235

FILE	BILL BARRETT CORPORATION
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HAZARDOUS MATERIAL DECLARATION

WELL NO. # 16-28-46 DL3 - LEASE NO. BIA 14-20-H62-5500

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

DRILLING PLAN

BILL BARRETT CORPORATION
16-28-46 DLB
SHL: NESE, 1834' FSL & 344' FEL, Section 28-T4S-R6W
BHL: SESE, 660' FSL & 660' FEL, Section 28-T4S-R6W
Surface Owner: Tribal (Ute)
Duchesne County, Utah

1 - 3. **Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<u>Formation</u>	<u>Depth – MD</u>
Duchesne River/Uinta	Surface
Green River	3,754'
Douglas Creek	4,555'
Black Shale	5,238'
Castle Peak	5,522'
Wasatch	6,151' *
North Horn	8,062' *
TD	9,537'

***PROSPECTIVE PAY**

The Wasatch and the North Horn are primary objectives for oil/gas.

4. **Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
12 ¼"	surface	960'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	surface	9,537'	5 ½"	17#	N or I 80	LT&C	New

5. **Cementing Program**

9 5/8" Surface Casing	Approximately 330 sx Halliburton Light Premium with additives mixed at 12.3 ppg (yield = 1.43 ft ³ /sx) circulated to surface with 100% excess
5 ½" Production Casing	Approximately 180 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.81 ft ³ /sx). Approximately 760 sx Halliburton Light Premium Plus cement with additives mixed at 13.5 ppg (yield = 1.58 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 960'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
960' – TD	8.6 – 10.6	42-52	15 cc or less	KCL Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 960'	No pressure control required
960' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 3000 psi;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

8. **Auxiliary equipment**

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

9. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

10. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5176 psi* and maximum anticipated surface pressure equals approximately 3110 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Bill Barrett Corporation

Drilling Program

16-28-46 DLB

Duchesne County, Utah

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A - (0.22 x TD)

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction: Approximately June 15, 2007

Spud: Approximately July 1, 2007

Duration: 20 days drilling time

45 days completion time



BILL BARRETT CORPORATION

**1099 18th St., Suite 2300
Denver, CO 80202**

Field: Brundage/Lake Canyon
Geological Basin: Uinta
Well Name: General
Location: Duchesne County, UT

KCL Polymer Drilling Fluid Recommendation

Prepared for: Mr. Dominic Spencer

August 17, 2006

Submitted by:
Isaac Womack, Tech. Prof., Baroid product service line, Halliburton
1125 17th St., Suite 1900
Denver, CO 80202
303.675.4476
Isaac.womack@Halliburton.com

HALLIBURTON
Baroid

DRILLING PROGRAM BRIEFING

Well total depth : 8,500' TMD

Casing design		<u>Hole Size</u>	<u>Casing</u>	<u>Length</u>
	Surface	12 1/4"	9 5/8"	750'
	Production	7 7/8"	5 1/2"	8500'

*Fluid density : 8.3 - 9.0 ppg from 0' to 750'
8.6 - 10.0 ppg from 750' to 8500'

NOTE: Data taken from off-set wells in Duchesne County, UT

*The drilling fluid density schedule is intended as a guideline only. Actual drilling fluid densities should be determined by well bore conditions and drilling parameters.

Estimated drilling days : 0' to 750' = 2 days (12 1/4" Hole)
750' to 8,500' = 16days (7 7/8" Hole)

Total = 18 days

Drilling fluid systems : 0' to 750' - Freshwater Spud Mud
750' to 8,500' - KCL Polymer

Solids control equipment : 0' - 8,500'
- Two Shale Shakers
- Desander / Desilter / Degasser
- One High Speed Centrifuge
(if available)

Est. total drilling fluid cost: \$ 17,219.00

DRILLING FLUID PROGRAM SUMMARY

The following drilling fluid systems are proposed for the Brundage Canyon well:

HOLE SIZE (In.)	DRILLING FLUID SYSTEM	FLUID DENSITY (ppg)	INTERVAL LENGTH FROM - TO
12 1/4"	Freshwater spud mud fluid system	8.3 - 9.0	0' to 750'
8 3/4"	KCL Polymer fluid system	8.6 - 10.6	750' to 8,500'

12 1/4" Hole Section (0' to 750' TMD)

A freshwater spud mud drilling fluid system is recommended to drill this interval. Drill out conductor casing shoe with freshwater using additions of AQUAGEL and EZ-MUD to maintain fluid properties, as well as in hi-vi sweeps to facilitate hole cleaning. Pump BARACARB (25/50) sawdust sweeps prior to tripping out of the hole. Monitor the drill-string for tight connections. Expect minor to severe lost circulation in this interval. Pump sweeps of saw dust/ BARACARB at 5-10 ppb for minor seepage and sweeps of N-seal at 5 ppb and saw dust at 10 ppb for more severe losses. When total depth (TD) is reached make a wiper trip to the shoe to "clean up" the well bore, a string of 9 5/8" casing will then be set and cemented back to surface.

7 7/8" Hole Section (750' to 8,500' TMD)

After drilling the surface hole section, dump all of the drilling fluid used in the surface interval to the reserve pit. Check reserve pit water to make sure it is acceptable to use for drilling fluid.

Mud up with the following:

- .5 lb./bbl N-Vis P
- 2 lb/bbls ZEOGEL
- .5 lb/bbl BARACOR 700 (or phosphates over 1300 ppm (see corrosion program))
- 3% by volume KCL

Maintain 3% KCL in the reserve pit while drilling this section. (add 3.5 ppb for every 1% increase)

Test for % of KCL

$$((\text{ml of .282 Silver Nitrate added} * 10,000) / 3280) = \% \text{KCL}$$

*record and report this concentration on each mud report

Add BARACAT to reserve pit to flocculate out solids. This system should have sufficient YP to keep the hole clean while drilling this interval.

Lost Circulation: Should losses occur while drilling the lateral section add BARACARB (5) OR BARACARB (50) to control. (BARACARB can be acidized) Concentrations of BARACARB will be determined by the losses encountered. Expect increased lost circulation with increases in drilling fluid density. Continue to monitor and record all

Brundage Canyon

Duchesne County, Utah

instances of gas kicks, water flows and lost circulation, adjust mud weight as needed. Sweeps of LUBRA-BEADS may help reduce mechanical torque due to the dog-legs. When lateral has been drilled, circulate the hole clean and run production casing.

Recommended Drilling Fluids Properties							
Drilling Depth (ft)	Fluid Density (lb/gal)	Funnel Viscosity (sec/qt)	API Filtrate (ml)	pH	Plastic Viscosity (cP)	Yield Point (lbs/100ft ²)	Low Gravity Solids (% by Vol)
0' - 750'	8.3 - 8.8	26 - 36	NC	7.0- 8.5	0 - 15	0 - 24	< 8
Surface casing: 9 5/8" set at 750' TMD							

- ◆ Spud with freshwater. Circulate through a reserve pit if possible.
- ◆ Mix 10.0-ppb AQUAGEL, 1.0 ppb EZ MUD, and 0.5-ppb lime in 50 bbl sweeps to improve well bore cleaning.
- ◆ Mix 1.0 gal. EZ-MUD down drill sting on connections for shale inhibition and optimum drill solids removal by the solids control equipment.
- ◆ Mix sweeps of saw dust/ BARACARB(25/50) at 5-10 ppb for minor seepage and N-seal at 5 ppb and saw dust at 10 ppb for more severe losses.
- ◆ If well bore conditions indicate, mud up to a KCL fluid system as indicated in the production interval.

Drilling Depth (ft)	Fluid Density (lb/gal)	Funnel Viscosity (sec/qt)	API Filtrate (ml)	pH	Plastic Viscosity (cP)	Yield Point (lbs/100ft ²)	Low Gravity Solids (% by Vol)
750' - 8,500'	8.6 - 10.6	42 - 52	<20	10.5- 12.0	0-15	0-20	< 8
Production casing: 5 1/2" set at 8,500' TMD							

- ◆ Drill out the surface casing shoe with KCL Polymer fluid system.
- ◆ Build initial pH with caustic soda then maintain with lime
- ◆ Additions of 0.5-ppb BARAZAN D can be used to enhance the low end rheology for optimum well bore cleaning and a lower solids drilling fluid.
- ◆ For seepage losses sweep the hole with 10.0-ppb BARACARB (25/50) in sweeps.
- ◆ For more severe losses sweep the hole with 5.0-ppb N-SEAL and 10.0-ppb Saw Dust. If losses can't be controlled, spot an 80.0-ppb HYDRO-PLUG pill across the loss zone(s).
- ◆ Spot pills of LUBRA-BREADS and/or TORQUE-LESS for additional torque and drag reduction as needed in dog-legs.



**Bill Barrett Corporation E-bill
1099 18th Street - Suite 2300
Denver, Colorado 80202**

Brundage Canyon General

Duchesne County, Utah
United States of America

Cementing Recommendation

Prepared for: Dominic Spencer
August 15, 2006
Version: 1

Submitted by:
Pat Kundert
Halliburton Energy Services
1125 17th Street - Suite 1900
Denver, Colorado 80202
+303.886.0839

HALLIBURTON

HALLIBURTON

Job Recommendation

9 5/8" Intermediate

Fluid Instructions

Fluid 1: Water Spacer

Gelled Water Ahead

Fluid Density: 8.33 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Primary Cement

Premium Plus - Type III

94 lbm/sk Premium Plus - Type III (Cement-api)

0.2 % Versaset (Thixotropic Additive)

2 % Calcium Chloride (Accelerator)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 14.50 lbm/gal

Slurry Yield: 1.43 ft³/sk

Total Mixing Fluid: 6.89 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 750 ft

Volume: 66.16 bbl

Calculated Sacks: 259.74 sks

Proposed Sacks: 260 sks

Job Recommendation

5 1/2" Production

Fluid Instructions

Fluid 1: Water Spacer

KCL Water Preflush

Fluid Density: 8.33 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Lead Cement – (3500 – 750')

Halliburton Hi-Fill Modified

94 lbm/sk Type 5 Cement (Cement)

16 % Bentonite (Light Weight Additive)

0.75 % Econolite (Light Weight Additive)

7.5 lbm/sk Gilsomite (Lost Circulation Additive)

2 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

3 % Salt (Salt)

0.2 % HR-7 (Retarder)

Fluid Weight 11 lbm/gal

Slurry Yield: 3.81 ft³/sk

Total Mixing Fluid: 23 Gal/sk

Top of Fluid: 750 ft

Calculated Fill: 2750 ft

Volume: 106.07 bbl

Calculated Sacks: 156.32 sks

Proposed Sacks: 160 sks

Fluid 3: Tail Cement – (TD – 3500')

Halliburton Light Premium Plus (Type 5)

3 % KCL (Clay Control)

1 % Econolite (Light Weight Additive)

0.5 % Halad(R)-322 (Low Fluid Loss Control)

0.6 % HR-5 (Retarder)

0.25 lbm/sk Flocele (Lost Circulation Additive)

1 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.58 ft³/sk

Total Mixing Fluid: 7.77 Gal/sk

Top of Fluid: 3500 ft

Calculated Fill: 6000 ft

Volume: 232.46 bbl

Calculated Sacks: 826.05 sks

Proposed Sacks: 830 sks

16-28-46 DLB Proposed Cementing Program

<u>Job Recommendation</u>		<u>Surface Casing</u>	
Lead Cement - (960' - 0')			
Halliburton Light Premium	Fluid Weight:	12.3	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.43	ft ³ /sk
0.25 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	10.6	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	960'	
	Volume:	120.48	bbbl
	Proposed Sacks:	330	sks

<u>Job Recommendation</u>		<u>Production Casing</u>	
Lead Cement - (4055' - 960')			
Halliburton Hi-Fill Modified	Fluid Weight:	11.0	lbm/gal
16.0% Bentonite	Slurry Yield:	3.81	ft ³ /sk
0.75% Ecpnolite	Total Mixing Fluid:	23.00	Gal/sk
7.5 lbm/sk Gilsonite	Top of Fluid:	960'	
2.0 lbm/sk Granulite TR	Calculated Fill:	3,095'	
3.0% Salt	Volume:	119.37	bbbl
0.2% HR-7	Proposed Sacks:	180	sks
Tail Cement - (9537' - 4055')			
Halliburton Light Premium Plus	Fluid Weight:	13.5	lbm/gal
3.0% KCl	Slurry Yield:	1.58	ft ³ /sk
1.0% Econolite	Total Mixing Fluid:	7.77	Gal/sk
0.5% Halad®-322	Top of Fluid:	4,055'	
0.6% HR-5	Calculated Fill:	5,482'	
0.25 lbm/sk Flocele	Volume:	211.46	bbbl
1.0 lbm/sk Granulite	Proposed Sacks:	760	sks

Well name:	Brundage / Lake Canyon General	
Operator:	Bill Barrett Corporation	
String type:	Surface	
Location:	Duchesne County, UT	

Design parameters:

Collapse:
Mud weight: 8.60 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:
Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 70.00 °F
Bottom hole temperature: 79 °F
Temperature gradient: 1.22 °F/100ft
Minimum section length: 750 ft

Burst

Max anticipated surface pressure: 303 psi
Internal gradient: 0.22 psi/ft
Calculated BHP 468 psi

No backup mud specified.

Burst:

Design factor 1.10

Cement top: Surface

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.80 (J)
Premium: 1.80 (J)
Body yield: 1.80 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 655 ft

Re subsequent strings:

Next setting depth: 8,500 ft
Next mud weight: 9.700 ppg
Next setting BHP: 4,283 psi
Fracture mud wt: 12.000 ppg
Fracture depth: 750 ft
Injection pressure 468 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	750	9.625	36.00	J-55	ST&C	750	750	8.786	53.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	335	2020	6.029	468	3520	7.53	24	394	16.72 J

Prepared Dominic Spencer
by: Bill Barrett

Phone: (303) 312-8143
FAX: (303) 312-8195

Date: July 21, 2006
Denver, Colorado

arks:

Design is based on a vertical depth of 750 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Tension strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name: **Brundage / Lake Canyon General**
 Operator: **Bill Barrett Corporation**
 String type: **Production**
 Location: **Duchesne County, UT**

Design parameters:

Collapse

Mud weight: 9.70 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
 Surface temperature: 70.00 °F
 Bottom hole temperature: 188 °F
 Temperature gradient: 1.22 °F/100ft
 Minimum section length: 1,500 ft

Burst:

Design factor 1.10

Cement top: 2,000 ft

Burst

Max anticipated surface

pressure: 2,897 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 4,787 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 8,103 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9500	5.5	17.00	N-80	LT&C	9500	9500	4.767	327.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4787	6290	1.314	4787	7740	1.62	138	348	2.53 J

Prepared Dominic Spencer
 by: Bill Barrett

Phone: (303) 312-8143
 FAX: (303) 312-8185

Date: August 11, 2006
 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 9500 ft, a mud weight of 9.7 ppg. The casing is considered to be evacuated for collapse purposes.
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

I-80 Performance Property Comparison

Outside Diameter, Inch	Weight T & C, lb per ft	Thread Type	I-80 Performance Properties					J-55 Performance Properties					N-80 Performance Properties				
			Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs		Maxi Set D feet
					Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength	
4.500	9.50	Short	3900	6380	221	138	6930	3310	4380	152	101	5890	3900	6380	221	143	69
	10.50	Short	4940	6970	241	173	8780	4010	4790	165	132	7000	4940	6970	241	186	87
	11.60	Long	6350	7780	267	201	9610	4960	5350	184	162	7760	6350	7780	267	223	106
5.500	14.00	Short	3620	6210	322	234	6440	3120	4270	222	172	5550	3620	6210	322	243	64
	15.50	Long	4990	7000	361	282	8870	4040	4810	248	217	7180	4990	7000	361	306	88
	17.00	Long	6280	7740	397	320	10470	4910	5320	273	247	8060	6280	7740	397	348	111
7.000	20.00	Short	2740	5440	460	320	4870	2270	3740	316	234	4040	2740	5440	460	331	48
	23.00	Long	3830	6340	532	428	6810	3270	4360	366	313	5810	3830	6340	532	442	68
	26.00	Long	5410	7240	604	502	9620	4320	4980	415	367	7680	5410	7240	604	519	96
8.625	24.00	Short	1430	4290	555	337	2540	1370	2950	381	244	2440	1430	4290	555	346	25
	28.00	Long	2160	4930	636	478	3840	1880	3390	437	348	3340	2160	4930	636	493	38
	32.00	Long	3050	5710	732	574	5420	2530	3930	503	417	4500	3050	5710	732	591	54
Outside	Weight	Thread	Dimensions, Inch														

I-80 Dimensions, Torques and Hydro-Test Pressures

Outside Diameter, Inch	Weight T & C, lb per ft	Thread Type	Dimensions, Inch					Make-Up Torque			Hydro- Test Pressure, psi
			Wall Thickness	Inside Diameter	Drift Diameter	Coupling Outside Diameter	Make-up Loss	Optimum	Minimum	Maximum	
4.500	9.50	Short	0.205	4.090	3.965	5.000	2.000	1380	1040	1730	5800
	10.50	Short	0.224	4.052	3.927	5.000	2.625	1790	1340	2240	6400
	11.60	Long	0.250	4.000	3.875	5.000	3.000	2190	1640	2740	7100
5.500	14.00	Short	0.244	5.012	4.887	8.050	2.875	2340	1760	2930	5700
	15.50	Long	0.275	4.950	4.825	6.050	3.500	2950	2210	3690	6400
	17.00	Long	0.304	4.892	4.767	6.050	3.500	3350	2510	4190	7100
7.000	20.00	Short	0.272	6.456	6.331	7.656	3.125	3200	2400	4000	5000
	23.00	Long	0.317	6.366	6.250	7.656	4.000	4280	3210	5350	5800
	26.00	Long	0.362	6.276	6.151	7.656	4.000	5020	3770	6280	6600
8.625	24.00	Short	0.264	8.097	7.972	9.625	3.000	3370	2530	4210	3900
	28.00	Long	0.304	8.017	7.892	9.625	4.500	4780	3590	5980	4500
	32.00	Long	0.352	7.921	7.875	9.625	4.500	5740	4310	7180	5200

1. API Bulletin 5C3, Sixth Edition, October 1994 was used to determine the listed properties.

2. The vertical set depth was computed using a 9.625 lb. per U.S. gallon mud, and safety factors of 1.125, 1.0 and 1.8 respectively, for collapse, burst and tension.

3. Products are available plain end and with IPSCO's premium connects QB1 and QB2.

4. As a service, IPSCO offers casing string designs upon request.

The information and data contained herein are accurate to our knowledge, based upon standard industry calculations. Buyers are encouraged to make their own evaluations of the above derived performance properties for their particular use. The specific warranty applicable to these goods is as contained in IPSCO's Order Acknowledgment, Conditions of Sale.



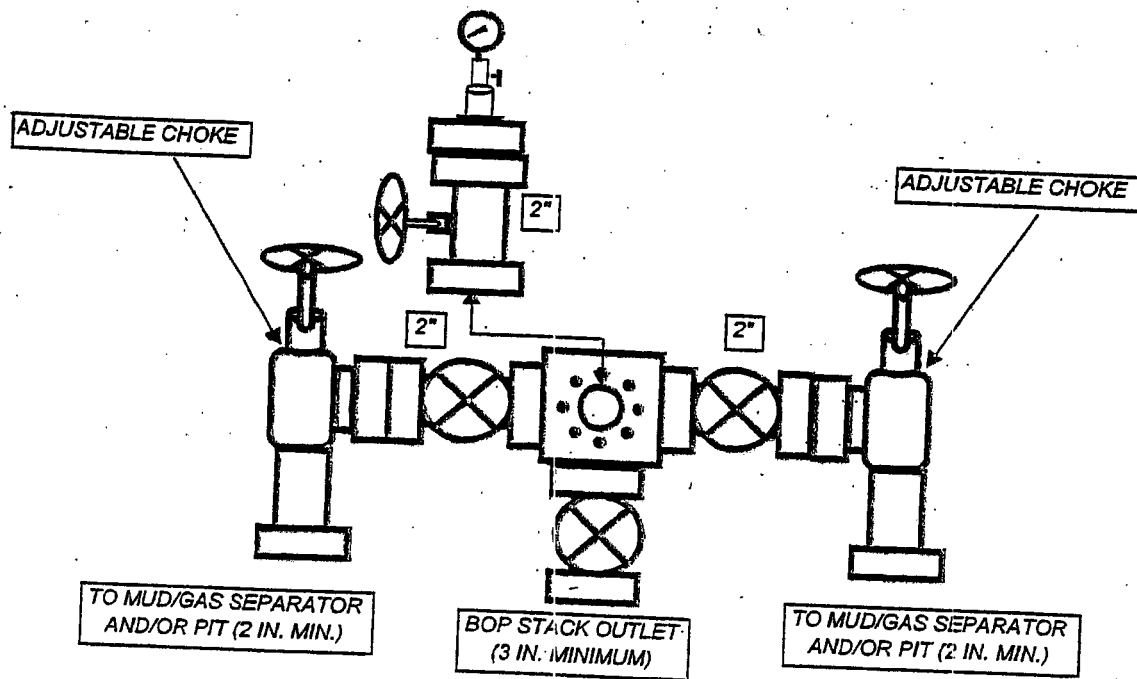
P.O. Box 18
Camanche, Iowa 52730
Phone: (563) 242-0000
Toll Free: 1-800-950-4772

400 505-3rd Street SW
Calgary, Alberta T2P 3E6
Phone: (403) 543-8000
Toll Free: 1-800-950-4772

P.O. Box 1670
Regina, Saskatchewan S4P 3C7
Phone: (306) 924-7700

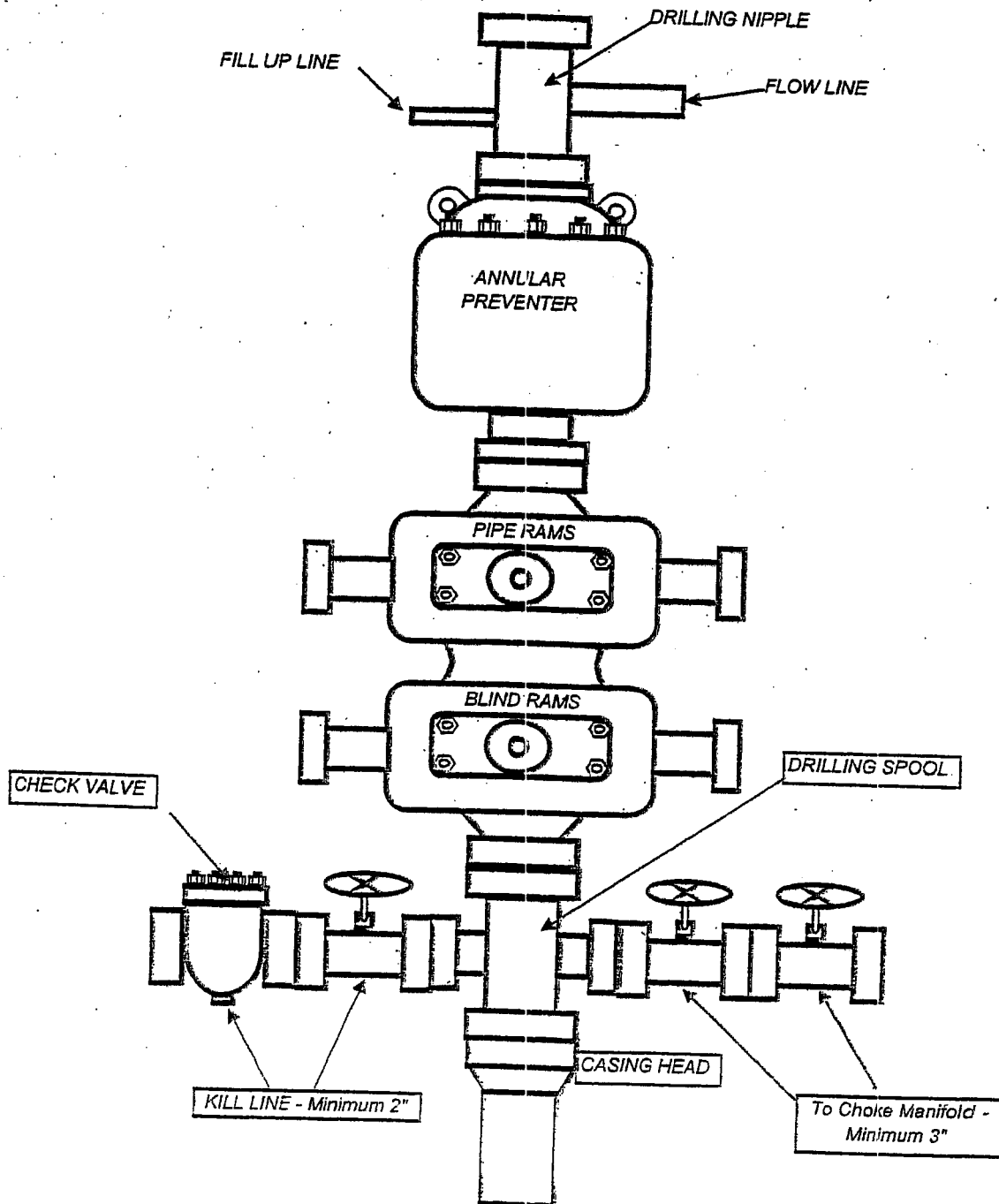
BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. CHOKE MANIFOLD



BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER





Weatherford[®]

Drilling Services

Proposal



Bill Barrett Corporation

BILL BARRETT CORPORATION

#16-28-46 DLB

DUCHESNE COUNTY, UTAH

WELL FILE:PLAN1

APRIL 25, 2007

Weatherford International, Ltd.
363 North Sam Houston Pkwy E, Suite 600
Houston, Texas 77060 USA
+1.281.260.5600 Main
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www.weatherford.com



Bill Barrett Corporation

#16-28-46 DLB
1834' FSL, 344' FEL
SECTION 28-T4S-R6W
DUCHESE COUNTY, UTAH



Weatherford®

SITE DETAILS

#16-28-46 DLB
SECTION 28-T4S-R6W
1834' FSL, 344' FEL

Site Centre Latitude: 40°06'06.920N
Longitude: 110°33'34.800W

Ground Level: 7252.70
Positional Uncertainty: 0.00
Convergence: 0.60

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	195.21	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	195.21	1000.00	0.00	0.00	0.00	0.00	0.00	
3	1734.66	14.69	195.21	1726.64	-90.40	-24.58	2.00	195.21	93.69	
4	5667.80	14.69	195.21	5531.15	-1053.07	-286.33	0.00	0.00	1091.30	
5	6647.35	0.00	195.21	6500.00	-1173.61	-319.10	1.50	180.00	1216.22	
6	9037.35	0.00	195.21	8890.00	-1173.61	-319.10	0.00	195.21	1216.22	PBHL_16-28-46

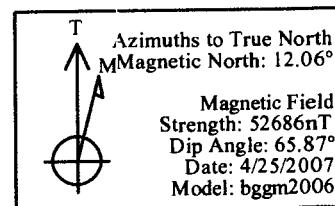
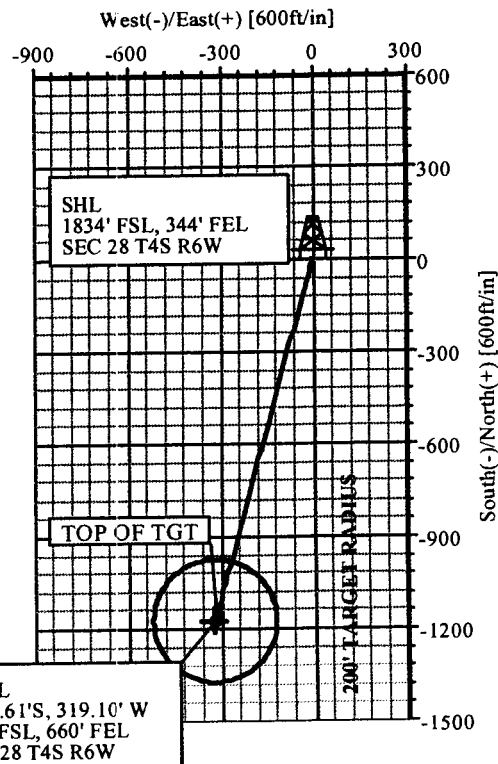
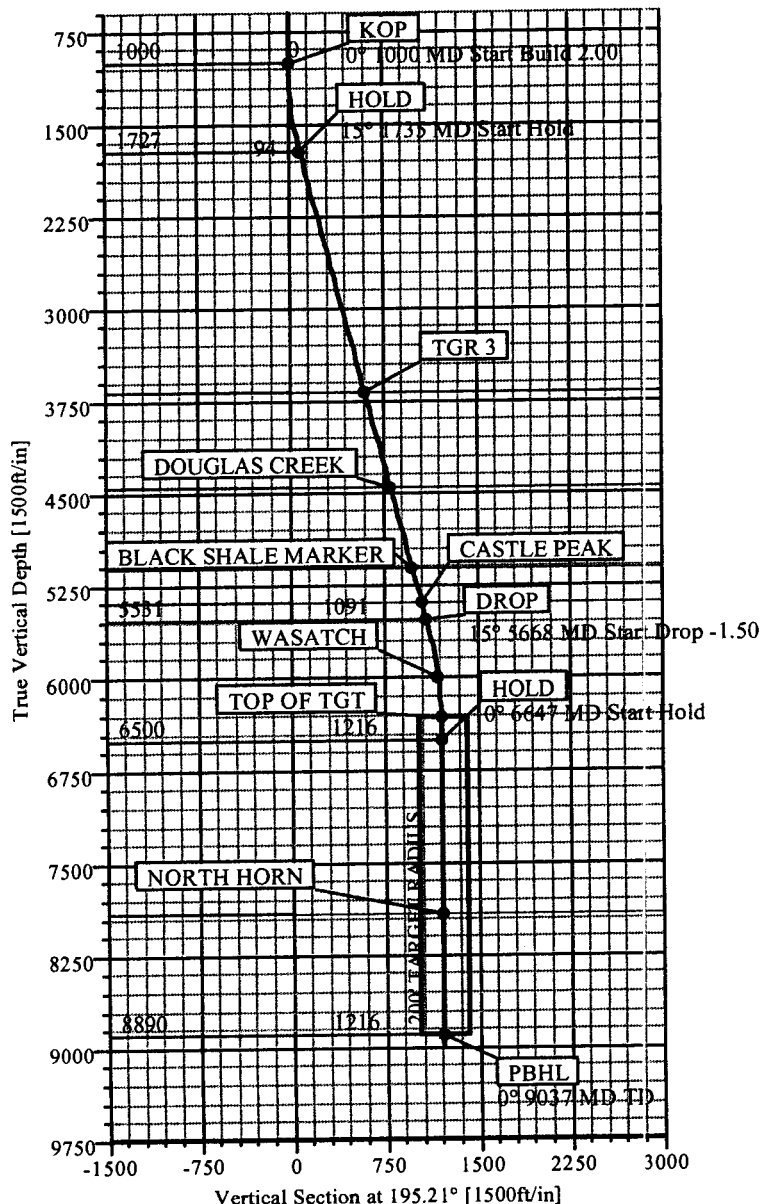
9537

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3680.00	3754.07	TGR 3
2	4455.00	4555.27	DOUGLAS CREEK
3	5115.00	5237.58	BLACK SHALE MARKER
4	5390.00	5521.88	CASTLE PEAK
5	6005.00	6150.95	WASATCH
6	7915.00	8062.35	NORTH HORN

ASSUMED 15' KB ELEVATION

KB ELEVATION: 7267.7'
GR ELEVATION: 7252.7'



TOTAL CORRECTION TO TRUE NORTH: 12.06°

CASING DETAILS

No.	TVD	MD	Name	Size
No casings on this wellpath.				

Plan: Plan #1 (#16-28-46 DLB/1)

Created By: ROBERT SCOTT

Date: 4/25/2007

Weatherford International, Ltd.

PLAN REPORT

Company: BILL BARRETT CORP Field: DUCHESNE COUNTY, UTAH Site: #16-28-46 DLB Well: #16-28-46 DLB Wellpath: 1				Date: 4/25/2007 Co-ordinate(NE) Reference: Site: #16-28-46 DLB, True North Vertical (TVD) Reference: SITE 7267.7 Section (VS) Reference: Well (0.00N,0.00E,195.21Azi) Survey Calculation Method: Minimum Curvature				Time: 17:15:00 Page: 1 Db: Sybase		
Field: DUCHESNE COUNTY, UTAH										
Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level					Map Zone: Utah, Central Zone Coordinate System: Site Centre Geomagnetic Model: bggm2006					
Site: #16-28-46 DLB SECTION 28-T4S-R6W 1834' FSL, 344' FEL										
Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 7252.70 ft		Northing: 7207246 39 ft Easting: 1903446 37 ft		Latitude: 40 6 6.920 N Longitude: 110 33 34.800 W North Reference: True Grid Convergence: 0.60 deg						
Well: #16-28-46 DLB										
Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft		Northing: 7207246 39 ft Easting: 1903446 37 ft		Slot Name: Latitude: 40 6 6.920 N Longitude: 110 33 34.800 W						
Wellpath: 1										
Current Datum: SITE Magnetic Data: 4/25/2007 Field Strength: 52686 nT Vertical Section: Depth From (TVD) ft		Height 7267 70 ft +N/-S ft +E/-W ft		Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 12.06 deg Mag Dip Angle: 65.87 deg Direction deg 195.21						
Plan: Plan #1 Principal: Yes										
Date Composed: 4/25/2007 Version: 1 Tied-to: From Surface										
Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	195.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	195.21	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1734.66	14.69	195.21	1726.64	-90.40	-24.58	2.00	2.00	0.00	195.21	
5667.80	14.69	195.21	5531.15	-1053.07	-286.33	0.00	0.00	0.00	0.00	
6647.35	0.00	195.21	6500.00	-1173.61	-319.10	1.50	-1.50	0.00	180.00	
9037.35	0.00	195.21	8890.00	-1173.61	-319.10	0.00	0.00	0.00	195.21	PBHL_16-28-46
Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
1000.00	0.00	195.21	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
1100.00	2.00	195.21	1099.98	-1.68	-0.46	1.75	2.00	2.00	0.00	
1200.00	4.00	195.21	1199.84	-6.73	-1.83	6.98	2.00	2.00	0.00	
1300.00	6.00	195.21	1299.45	-15.14	-4.12	15.69	2.00	2.00	0.00	
1400.00	8.00	195.21	1398.70	-26.90	-7.31	27.88	2.00	2.00	0.00	
1500.00	10.00	195.21	1497.47	-42.00	-11.42	43.52	2.00	2.00	0.00	
1600.00	12.00	195.21	1595.62	-60.41	-16.43	62.60	2.00	2.00	0.00	
1700.00	14.00	195.21	1693.06	-82.12	-22.33	85.10	2.00	2.00	0.00	
1734.66	14.69	195.21	1726.64	-90.40	-24.58	93.69	2.00	2.00	0.00	HOLD
1800.00	14.69	195.21	1789.84	-106.40	-28.93	110.26	0.00	0.00	0.00	
1900.00	14.69	195.21	1886.57	-130.87	-35.58	135.62	0.00	0.00	0.00	
2000.00	14.69	195.21	1983.30	-155.35	-42.24	160.99	0.00	0.00	0.00	
2100.00	14.69	195.21	2080.03	-179.82	-48.89	186.35	0.00	0.00	0.00	
2200.00	14.69	195.21	2176.76	-204.30	-55.55	211.72	0.00	0.00	0.00	
2300.00	14.69	195.21	2273.49	-228.77	-62.20	237.08	0.00	0.00	0.00	

Weatherford International, Ltd.

PLAN REPORT

Company: BILL BARRETT CORP
Field: DUCHESNE COUNTY, UTAH
Site: #16-28-46 DLB
Well: #16-28-46 DLB
Wellpath: 1

Date: 4/25/2007 Time: 17:15:00 Page: 2
Co-ordinate(NE) Reference: Site: #16-28-46 DLB, True North
Vertical (TVD) Reference: SITE 7267.7
Section (VS) Reference: Well (0.00N,0.00E,195.21Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
2400.00	14.69	195.21	2370.22	-253.25	-68.86	262.44	0.00	0.00	0.00	
2500.00	14.69	195.21	2466.95	-277.73	-75.51	287.81	0.00	0.00	0.00	
2600.00	14.69	195.21	2563.68	-302.20	-82.17	313.17	0.00	0.00	0.00	
2700.00	14.69	195.21	2660.41	-326.68	-88.82	338.54	0.00	0.00	0.00	
2800.00	14.69	195.21	2757.13	-351.15	-95.48	363.90	0.00	0.00	0.00	
2900.00	14.69	195.21	2853.86	-375.63	-102.13	389.27	0.00	0.00	0.00	
3000.00	14.69	195.21	2950.59	-400.10	-108.79	414.63	0.00	0.00	0.00	
3100.00	14.69	195.21	3047.32	-424.58	-115.44	440.00	0.00	0.00	0.00	
3200.00	14.69	195.21	3144.05	-449.06	-122.10	465.36	0.00	0.00	0.00	
3300.00	14.69	195.21	3240.78	-473.53	-128.75	490.72	0.00	0.00	0.00	
3400.00	14.69	195.21	3337.51	-498.01	-135.41	516.09	0.00	0.00	0.00	
3500.00	14.69	195.21	3434.24	-522.48	-142.06	541.45	0.00	0.00	0.00	
3600.00	14.69	195.21	3530.97	-546.96	-148.72	566.82	0.00	0.00	0.00	
3700.00	14.69	195.21	3627.70	-571.44	-155.37	592.18	0.00	0.00	0.00	
3754.07	14.69	195.21	3680.00	-584.67	-158.97	605.89	0.00	0.00	0.00	TGR 3
3800.00	14.69	195.21	3724.43	-595.91	-162.03	617.55	0.00	0.00	0.00	
3900.00	14.69	195.21	3821.16	-620.39	-168.68	642.91	0.00	0.00	0.00	
4000.00	14.69	195.21	3917.89	-644.86	-175.34	668.27	0.00	0.00	0.00	
4100.00	14.69	195.21	4014.62	-669.34	-181.99	693.64	0.00	0.00	0.00	
4200.00	14.69	195.21	4111.35	-693.81	-188.65	719.00	0.00	0.00	0.00	
4300.00	14.69	195.21	4208.08	-718.29	-195.30	744.37	0.00	0.00	0.00	
4400.00	14.69	195.21	4304.81	-742.77	-201.96	769.73	0.00	0.00	0.00	
4500.00	14.69	195.21	4401.54	-767.24	-208.61	795.10	0.00	0.00	0.00	
4555.27	14.69	195.21	4455.00	-780.77	-212.29	809.11	0.00	0.00	0.00	DOUGLAS CREEK
4600.00	14.69	195.21	4498.27	-791.72	-215.27	820.46	0.00	0.00	0.00	
4700.00	14.69	195.21	4595.00	-816.19	-221.92	845.83	0.00	0.00	0.00	
4800.00	14.69	195.21	4691.73	-840.67	-228.58	871.19	0.00	0.00	0.00	
4900.00	14.69	195.21	4788.46	-865.14	-235.23	896.55	0.00	0.00	0.00	
5000.00	14.69	195.21	4885.19	-889.62	-241.89	921.92	0.00	0.00	0.00	
5100.00	14.69	195.21	4981.92	-914.10	-248.54	947.28	0.00	0.00	0.00	
5200.00	14.69	195.21	5078.65	-938.57	-255.20	972.65	0.00	0.00	0.00	
5237.58	14.69	195.21	5115.00	-947.77	-257.70	982.18	0.00	0.00	0.00	BLACK SHALE MARKER
5300.00	14.69	195.21	5175.38	-963.05	-261.85	998.01	0.00	0.00	0.00	
5400.00	14.69	195.21	5272.11	-987.52	-268.51	1023.38	0.00	0.00	0.00	
5500.00	14.69	195.21	5368.84	-1012.00	-275.16	1048.74	0.00	0.00	0.00	
5521.88	14.69	195.21	5390.00	-1017.35	-276.62	1054.29	0.00	0.00	0.00	CASTLE PEAK
5600.00	14.69	195.21	5465.57	-1036.48	-281.82	1074.11	0.00	0.00	0.00	
5667.80	14.69	195.21	5531.15	-1053.07	-286.33	1091.30	0.00	0.00	0.00	DROP
5700.00	14.21	195.21	5562.33	-1060.82	-288.44	1099.34	1.50	-1.50	0.00	
5800.00	12.71	195.21	5659.58	-1083.29	-294.54	1122.61	1.50	-1.50	0.00	
5900.00	11.21	195.21	5757.41	-1103.28	-299.98	1143.34	1.50	-1.50	0.00	
6000.00	9.71	195.21	5855.74	-1120.80	-304.74	1161.49	1.50	-1.50	0.00	
6100.00	8.21	195.21	5954.52	-1135.83	-308.83	1177.07	1.50	-1.50	0.00	
6150.95	7.45	195.21	6005.00	-1142.53	-310.65	1184.01	1.50	-1.50	0.00	WASATCH
6200.00	6.71	195.21	6053.67	-1148.36	-312.24	1190.05	1.50	-1.50	0.00	
6300.00	5.21	195.21	6153.13	-1158.38	-314.96	1200.43	1.50	-1.50	0.00	
6400.00	3.71	195.21	6252.82	-1165.88	-317.00	1208.21	1.50	-1.50	0.00	
6462.28	2.78	195.21	6315.00	-1169.28	-317.93	1211.73	1.50	-1.50	0.00	TOP OF TGT
6500.00	2.21	195.21	6352.69	-1170.87	-318.36	1213.37	1.50	-1.50	0.00	
6600.00	0.71	195.21	6452.65	-1173.32	-319.03	1215.92	1.50	-1.50	0.00	
6647.35	0.00	195.21	6500.00	-1173.61	-319.10	1216.22	1.50	-1.50	0.00	HOLD
6700.00	0.00	195.21	6552.65	-1173.61	-319.10	1216.22	0.00	0.00	0.00	
6800.00	0.00	195.21	6652.65	-1173.61	-319.10	1216.22	0.00	0.00	0.00	

**Surface Use Plan for
Bill Barrett Corporation's
Development Program
Lake Canyon Area
Duchesne County, Utah**

1. Existing Roads:

The Lake Canyon area is located approximately 12 miles southwest of Duchesne, Utah and extends from Township 3 South, Range 10 West to Township 5 South, Range 6 West. The specific location of a particular well pad will be shown on maps and described in the site specific APD.

The use of Skitzzy Road is necessary to access the area. Improvements to Skitzzy Road and other existing access roads will be noted in the site specific APD's.

2. Planned Access Roads:

Descriptions of new access road(s) will be included in the site specific APD.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advanced with the UDWR

3. Location of Tank Batteries, Production Facilities, and Production Gathering And Service Lines:

The following guidelines will apply if the well is productive:

All permanent (on site for six months or longer) structures constructed or installed will conform to DOGM standards. All facilities will be painted within six months of installation.

A containment dike will be constructed completely around production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, and hold a minimum of 110% of the capacity of the largest tank. Topsoil will not be used for the construction of dike(s).

A description of the proposed pipeline and a map illustrating the proposed route will be submitted with the well site specific APD.

4. **Location and Type of Water Supply**

The Duchesne City Culinary Water Dock located in section 1, T4S-R5W will be used for water supply for drilling and completion operations. Additional water supply sources will be addressed in the site specific APD, indicating the location and type of water supply.

5. **Source of Construction Materials:**

All construction materials for this location site and access road shall be borrowed (local) material accumulated during construction of the location site and access road. No construction materials will be removed from UDWR lands. If any gravel is used, it will be obtained from an approved gravel pit.

6. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including any salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed.

Unless otherwise specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not allow discharge of liquids.

If it is determined, at the onsite, that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12-millimeters thick. The liner will overlay a felt-liner pad if rock that might tear or puncture the liner is encountered during excavation. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash, scrap pipe, etc. that could puncture the liner will not be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations. The pit liner will be protected during drilling and completion operations.

Production fluids will be contained in leak-proof tanks. All production fluids will be sold, recycled, or disposed of at approved disposal sites.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical self-contained sanitary-toilet will be onsite during drilling and completions.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The reserve pit fencing will be on three sides before drilling operations start. The fourth side will be fenced as soon as drilling is completed and the rig is removed. The fencing will be maintained until such time as the pits are backfilled.

7. **Ancillary Facilities:**

Garbage containers and portable toilets are the only ancillary facilities proposed. No additional ancillary facilities are foreseen in the future.

8. **Wellsite Layout:**

A location layout diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface materials stockpile(s) will be included with the site specific APD and developed through a consultant.

9. **Plans for Restoration of the Surface:**

The dirt contractor will be provided with an approved copy of the surface use plan and these Standard Operating Procedures prior to commencing construction activities.

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. All reclamation standards will be developed between Bill Barrett Corporation (BBC) and UDWR. Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored as near

as possible to its original line of flow.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The remaining liner will be torn and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting, unless it is determined that this location will be utilized to drill additional wells within 1 year of completing operations.

After the reserve pit has been reclaimed, diversion ditches and water bars will be used to divert precipitation runoff/runoff as appropriate.

Prior to the construction of the location, the top 6 inches or maximum available topsoil material will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. When all drilling and completion activities have been completed, the unused portion of the location (area outside the deadmen) will be recontoured and the stockpiled topsoil spread over the area.

If topsoil must be stored for more than one year:

It shall be windrowed on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

It shall be broadcast seeded with the prescribed seed mixture immediately after windrowing. Seed will be drilled on the contour to an appropriate depth and the stockpile then "walked" with a dozer to cover the seed and roughen the soil to prevent erosion.

Mulching may be considered to enhance the re-establishment of desired native plant communities. If straw or hay mulch is used, the straw and hay must be certified to be weed-free and the documentation submitted prior to usage.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

UDWR shall be contacted for the required seed mixture. Seed will be drilled on

the contour to an appropriate depth. If broadcast seeded, the amount of seed mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

At final abandonment, BBC will follow UT-DOGM standards for final well abandonment.

10. Other Information:

The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the BBC field representative to ensure compliance.

The operator will control noxious weeds along applied access road authorizations, pipeline route authorizations, well sites or other applicable facilities

Wells drilled during the fire season (June – October) all appropriate precautions shall be instituted to ensure that fire hazard is minimized, including, but not limited to, controlling vegetation and keeping fire fighting equipment readily available during all drilling and completion operations.

Drilling rigs and/or equipment used during drilling operations on locations will not be stacked or stored on UDWR administered lands after the conclusion of drilling operations or at any other time without permission by the UDWR. If UDWR permission is obtained, such storage will only be temporary measure.

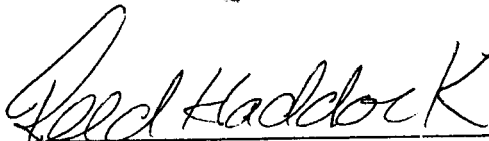
Travel will be restricted to approved travel routes.

11. CERTIFICATION

Reed Haddock
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

Phone: 303-312-8546
Fax: 303-291-0420

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bill Barrett Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Reed Haddock
Permit Analyst

DATE: February 27, 2007

12. **Bill Barrett Corporation and UDWR Contacts:**

BBC Representatives:

Reed Haddock, Regulatory and Permitting; Phone: (303) 312-8546
Scot Donato, Environmental Health and Safety; Phone: (303) 312-8191
Monty Shed, Field Operations; Phone: (307) 262-1511

UDWR Representatives:

Ben Williams, UDWR, Wildlife Resources; Phone: (435) 781-5357
Bill James, UDWR, Wildlife Resources, Manager; Phone: (801) 538-4745

BILL BARRETT CORPORATION

#16-28-46 DLB

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 28, T4S, R6W, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

TOPOGRAPHIC			04	18	07
MAP			MONTH	DAY	YEAR
TAKEN BY: D.S.	DRAWN BY: C.P.	REVISED: 00-00-00			

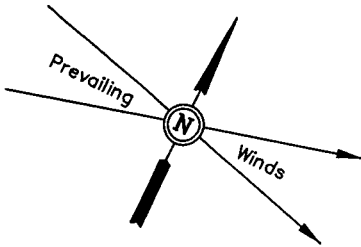
PHOTO

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

#16-28-46 DLB
SECTION 28, T4S, R6W, U.S.B.&M.
1834' FSL 344' FEL

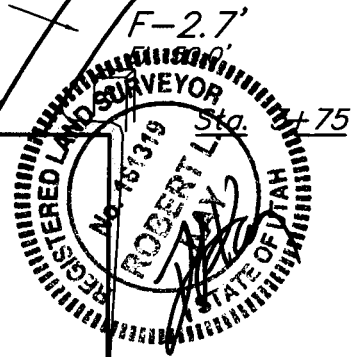
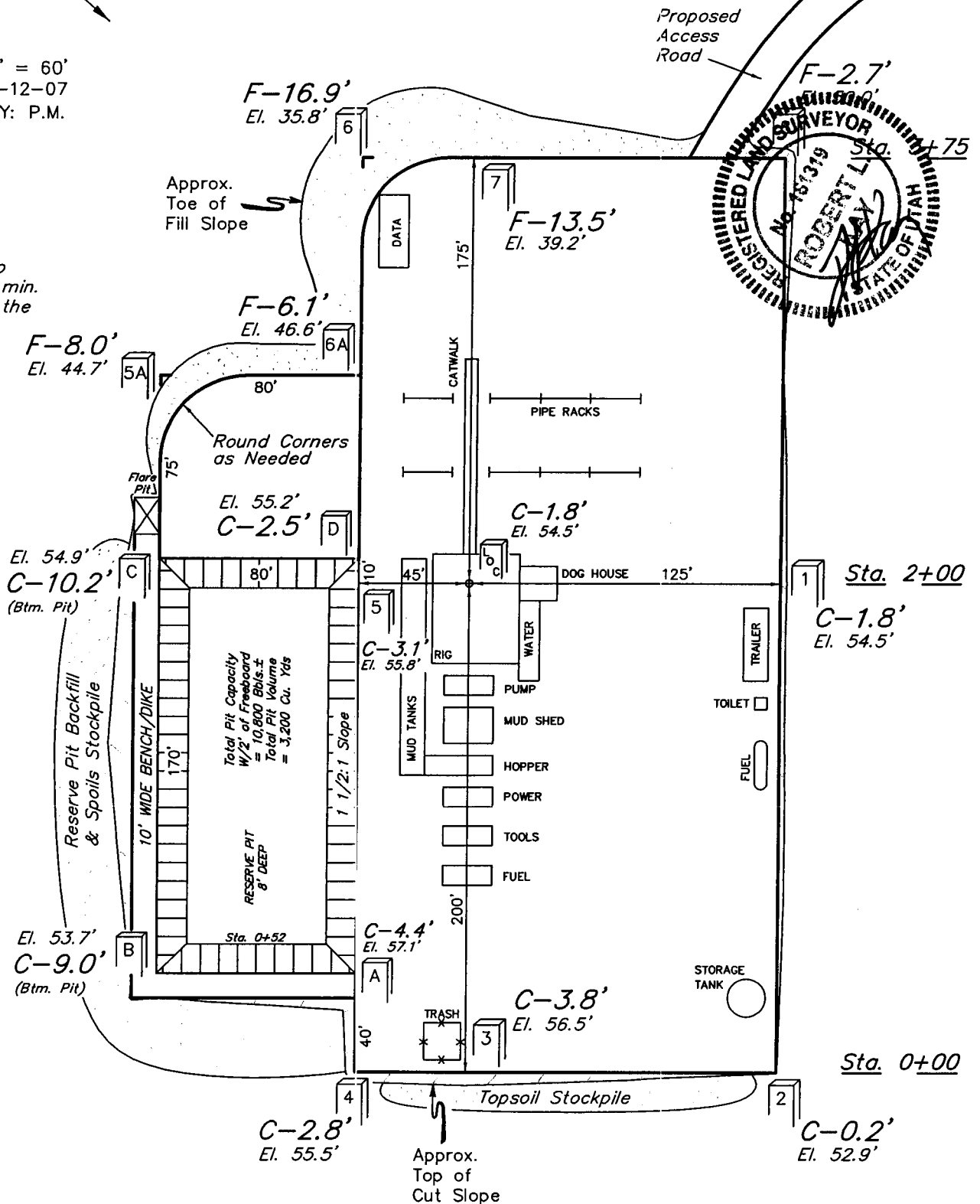
FIGURE #1



SCALE: 1" = 60'
DATE: 04-12-07
DRAWN BY: P.M.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 7254.5'
FINISHED GRADE ELEV. AT LOC. STAKE = 7252.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

BILL BARRETT CORPORATION

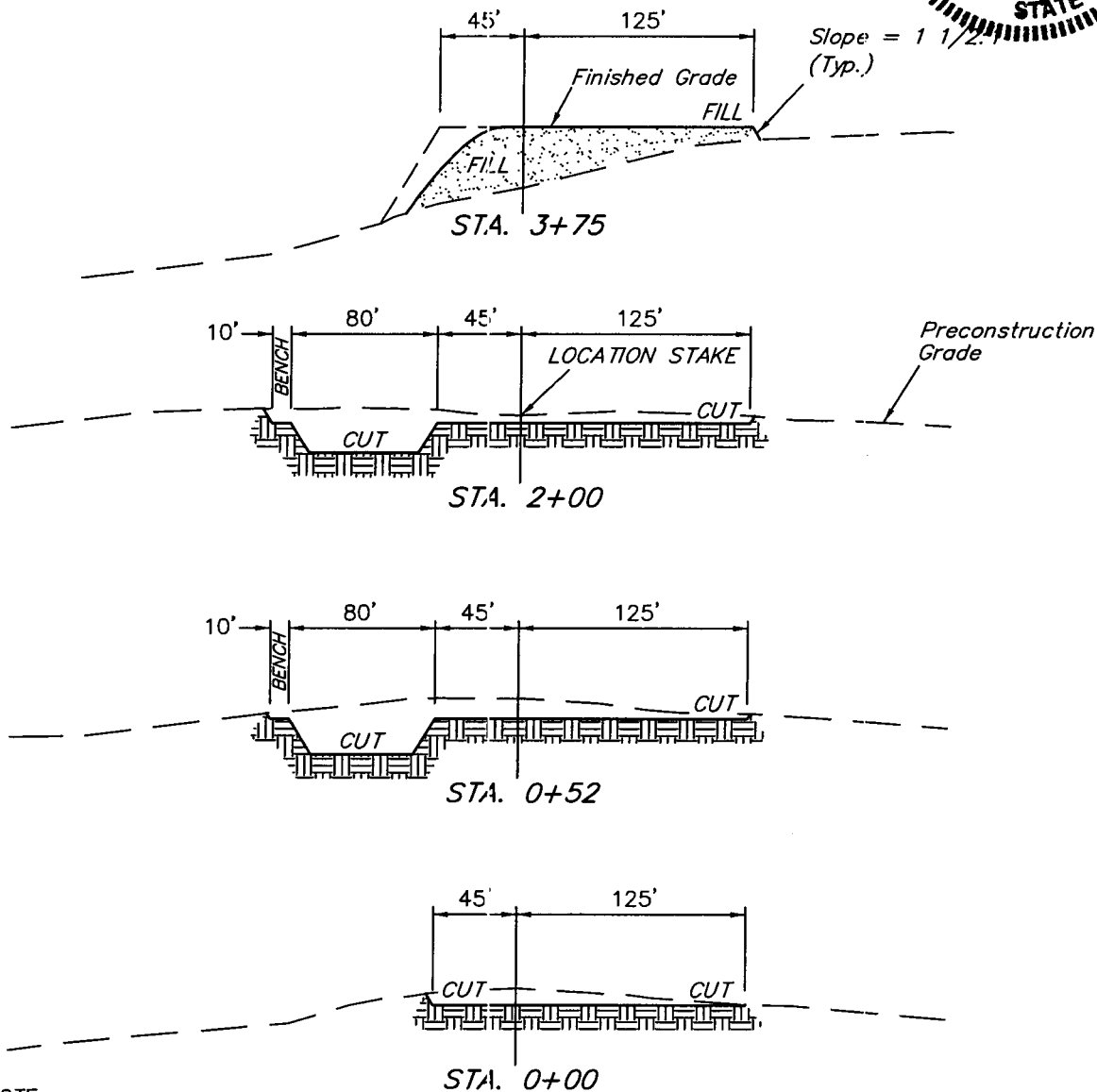
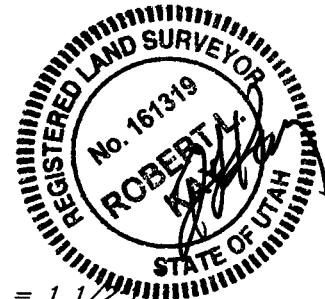
TYPICAL CROSS SECTIONS FOR

#16-28-46 DLB
SECTION 28, T4S, R6W, U.S.B.&M.
1834' FSL 344' FEL

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'

DATE: 04-12-07
DRAWN BY: P.M.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:

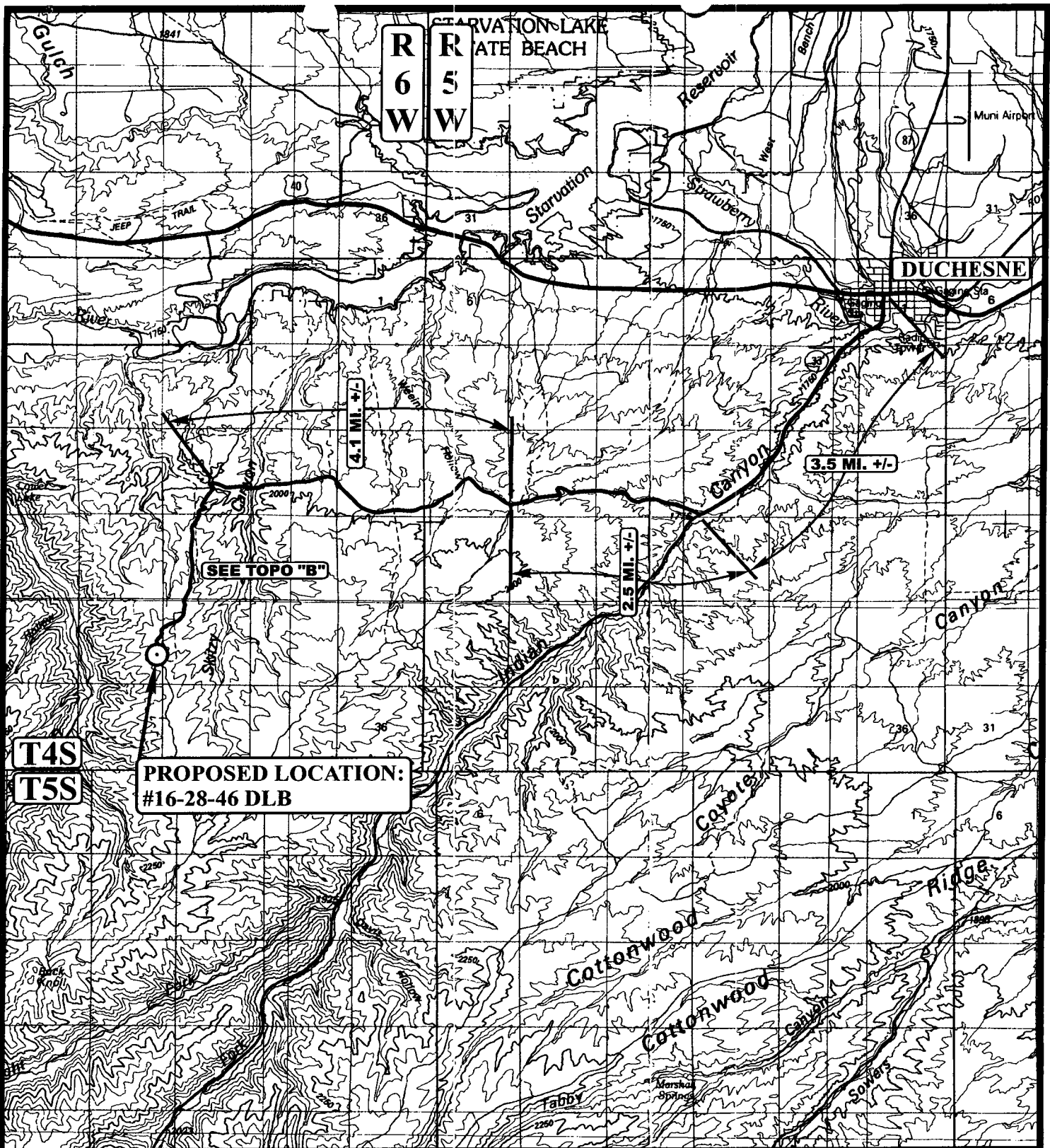
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,600 Cu. Yds.
Remaining Location	= 8,000 Cu. Yds.
TOTAL CUT	= 11,600 CU.YDS.
FILL	= 6,400 CU.YDS.

EXCESS MATERIAL	= 5,200 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

○ PROPOSED LOCATION

N

BILL BARRETT CORPORATION

#16-28-46 DLB

SECTION 28, T4S, R6W, U.S.B.&M.

1834' FSL 344' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

04 18 07
MONTH DAY YEAR

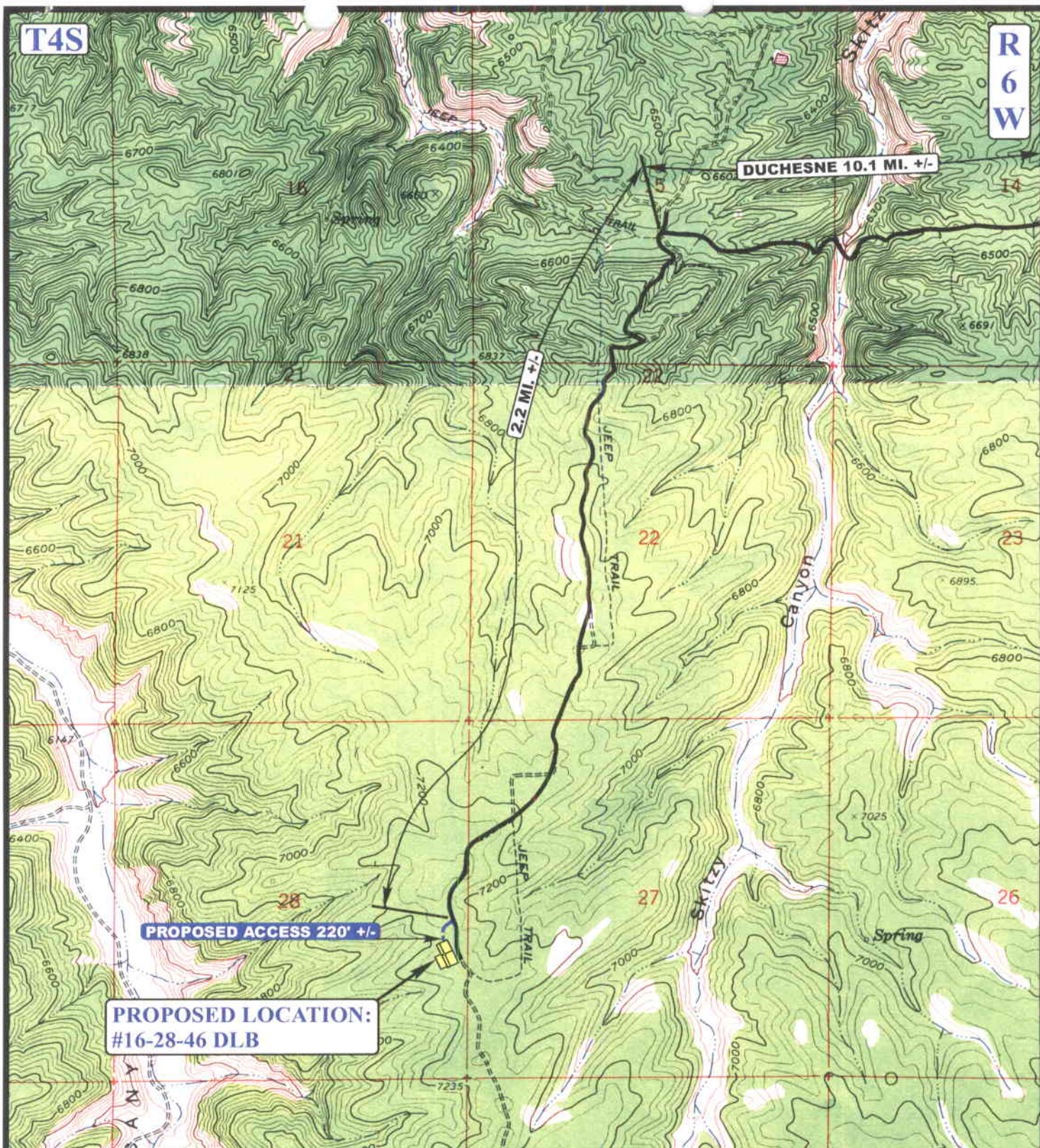
SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 00-00-00



T4S

R
6
W

LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD

BILL BARRETT CORPORATION

#16-28-46 DLB

SECTION 28, T4S, R6W, U.S.B.&M.

1834' FSL 344' FEL



Uintah Engineering & Land Surveying
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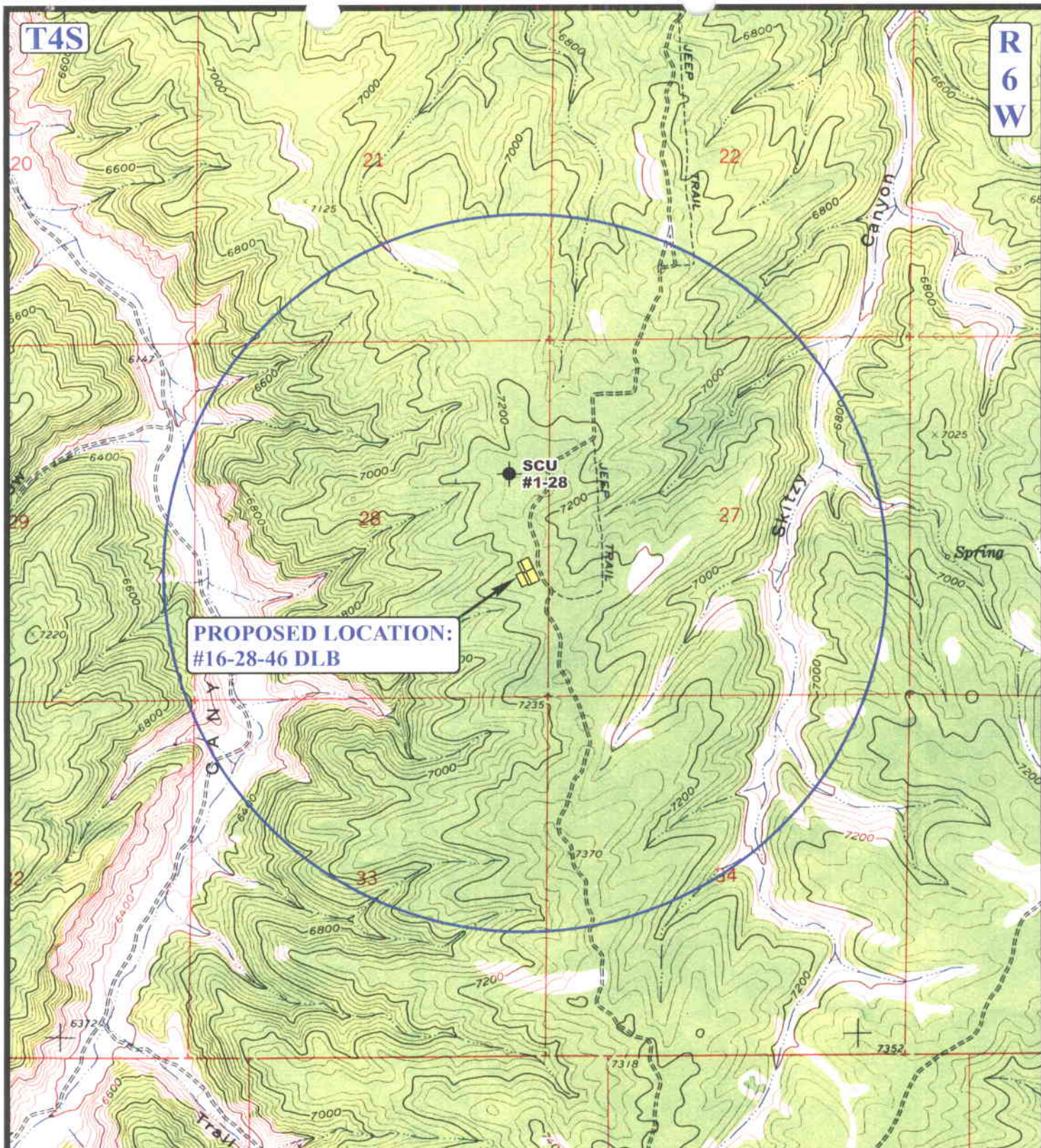


TOPOGRAPHIC
 MAP

04 18 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



BILL BARRETT CORPORATION

#16-28-46 DLB
SECTION 28, T4S, R6W, U.S.B.&M.
1834' FSL 344' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

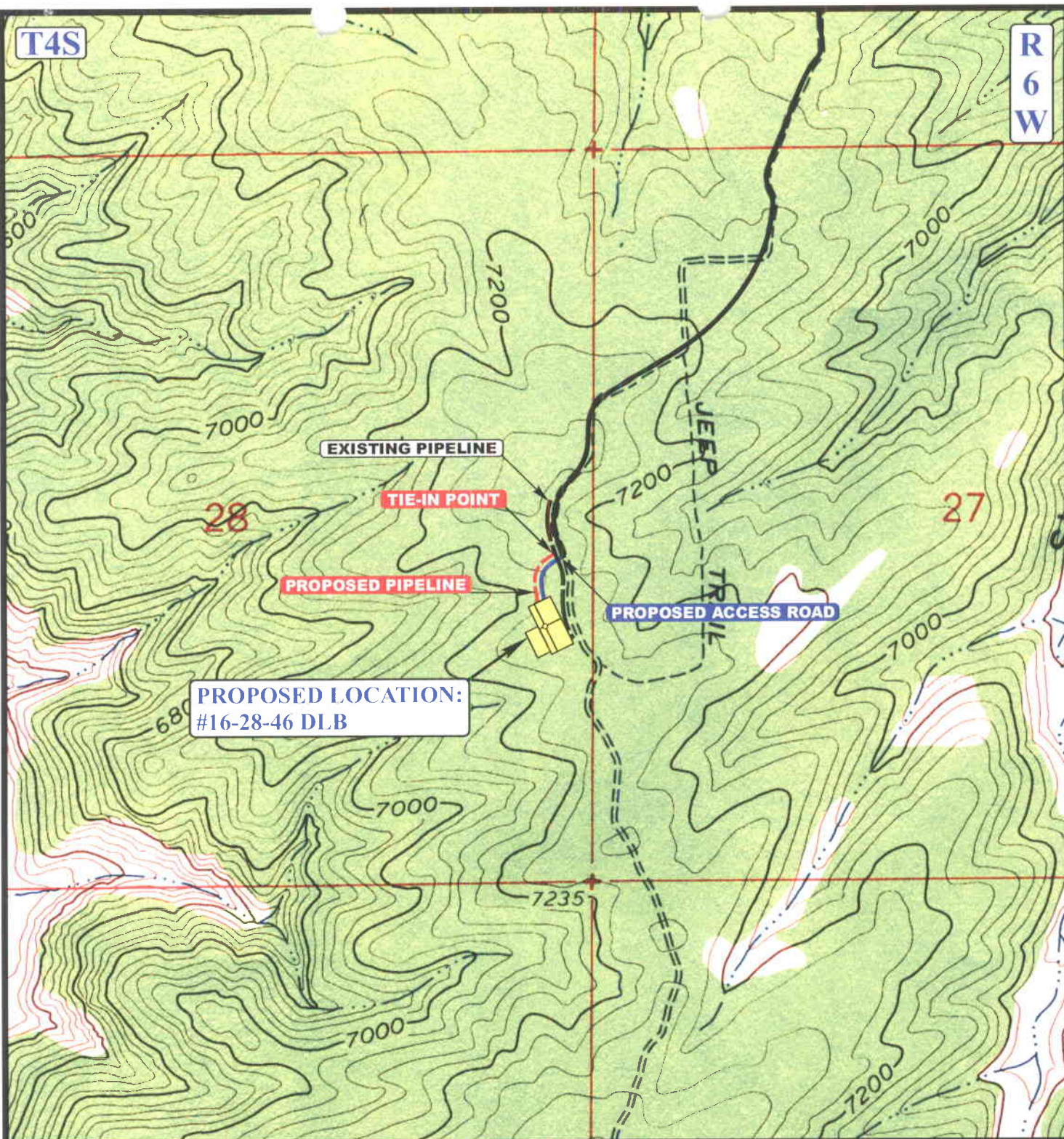
**TOPOGRAPHIC
MAP**

04 18 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



T4S

R
6
W

APPROXIMATE TOTAL PIPELINE DISTANCE = 245' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

**BILL BARRETT CORPORATION**

#16-28-46 DLB
SECTION 28, T4S, R6W, U.S.B.&M.
1834' FSL 344' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

04 18 07
MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: C.P.

REVISED: 00-00-00



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/30/2007

API NO. ASSIGNED: 43-013-33631

WELL NAME: 16-28-46 DLB
OPERATOR: BILL BARRETT CORP (N2165)
CONTACT: REED HADDOCK

PHONE NUMBER: 303-312-8546

PROPOSED LOCATION:

NESE 28 040S 060W
SURFACE: 1834 FSL 0344 FEL
BOTTOM: 0660 FSL 0660 FEL
COUNTY: DUCHESNE
LATITUDE: 40.10199 LONGITUDE: -110.5591
UTM SURF EASTINGS: 537580 NORTHINGS: 4438960
FIELD NAME: ALTAMONT (55)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian
LEASE NUMBER: 14-20-H62-5500
SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: NHORN
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[2] Sta[] Fee[]
(No. WYB000040)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.
Unit: _____
☐ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☐ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☒ R649-3-11. Directional Drill

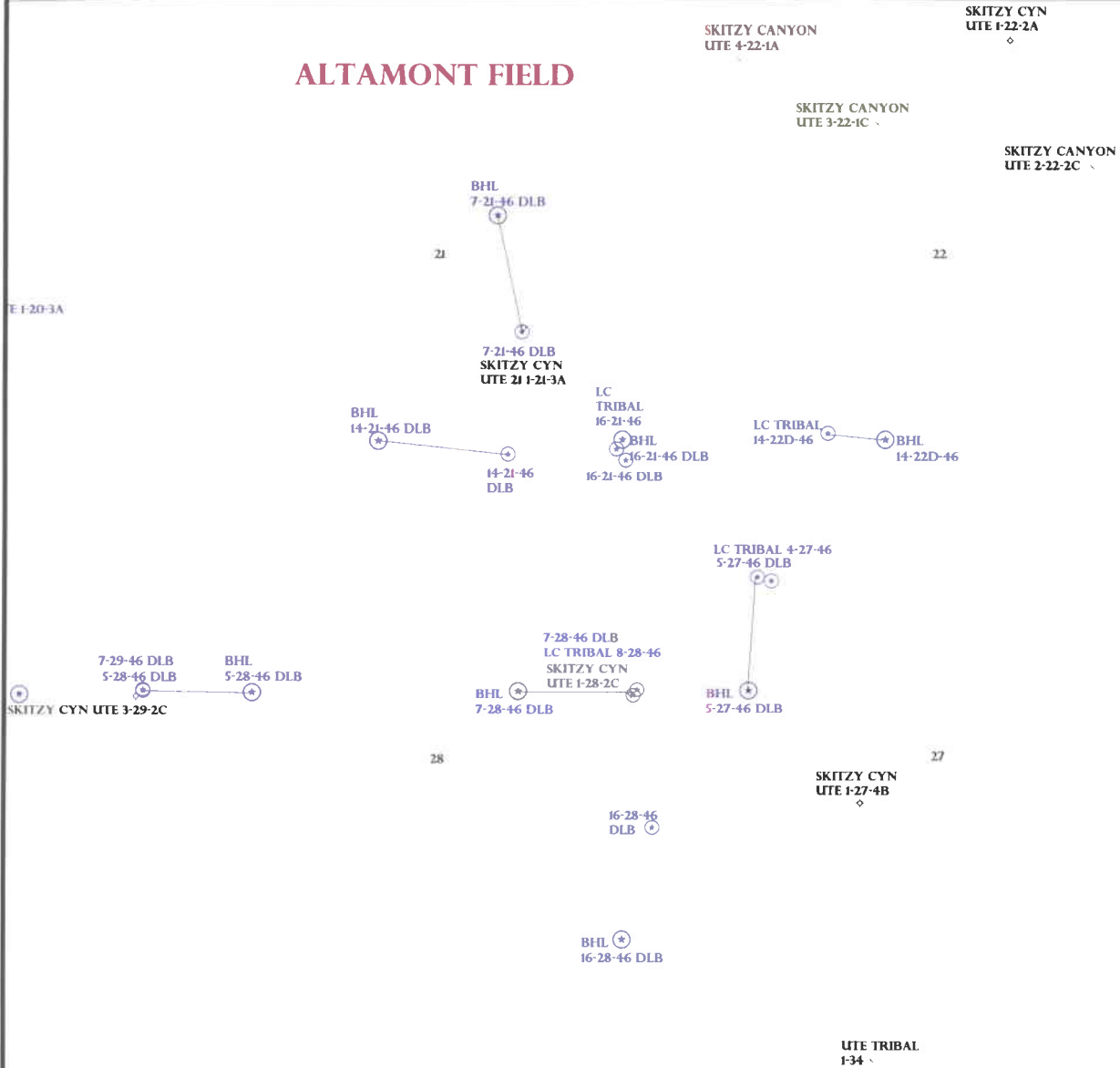
COMMENTS: _____

STIPULATIONS: _____

1. Section 11.1
2. Spacing 1/2

T4S R6W

ALTAMONT FIELD



OPERATOR: BILL BARRETT CORP (N2165)

SEC: 21,28 T.4S R. 6W

FIELD: ALTAMONT (55)

COUNTY: DUCHESNE

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON
DATE: 7-MAY-2007



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

May 7, 2007

Bill Barrett Corporation
1099 18th St., Ste. 2300
Denver, CO 80202

Re: 16-28-46 DLB Well, Surface Location 1834' FSL, 344' FEL, NE SE, Sec. 28,
T. 4 South, R. 6 West, Bottom Location 660' FSL, 660' FEL, SE SE, Sec. 28,
T. 4 South, R. 6 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33631.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Office

Operator: Bill Barrett Corporation
Well Name & Number 16-28-46 DLB
API Number: 43-013-33631
Lease: 14-20-H62-5500

Surface Location: NE SE **Sec.** 28 **T.** 4 South **R.** 6 West
Bottom Location: SE SE **Sec.** 28 **T.** 4 South **R.** 6 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entry Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

RECEIVED
VERNAL FIELD OFFICE

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER THE INTERIOR

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. BIA 14-20-H62-5500
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. CA
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202	3b. Phone No. (include area code) (303) 312-8546	8. Lease Name and Well No. # 16-28-46 DLB
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NESE, 1834' FSL, 344' FEL At proposed prod. zone SESE, 660' FSL, 660' FEL		9. API Well No. Pending 43-013-33631
14. Distance in miles and direction from nearest town or post office* Approximately 12.3 miles southwest of Duchesne, Utah		10. Field and Pool, or Exploratory Altamont
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 344' SHL; 660' BHL		11. Sec., T. R. M. or Blk. and Survey or Area Section 28-T4S-R6W U.S.B.&M.
16. No. of acres in lease N/A		12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 40		13. State UT
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1,450' abandoned well		20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040
19. Proposed Depth 9537' MD		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7254' ungraded ground
22. Approximate date work will start* 07/01/2007		23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Reed Haddock</i>	Name (Printed/Typed) Reed Haddock	Date 04/27/2007
Title Permit Analyst		

Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) Jesse Kewala	Date 6-5-2007
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

RECEIVED
JUN 13 2007
DIV. OF OIL, GAS & MINING

4006 m

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: 16-28-46 DLB
API No: 43-013 - 33631

Location: NESE, Sec. 28, T4S, R6W
Lease No: BIA 14-20-H62- 5500
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	- The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

General Conditions of Approval

- A 184.43' by 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

Additional Conditions of Approval

- Paint tanks Olive Black.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- Use 1" tubing to cement top 100 feet of surface casing with class G neat cement (1.18 cubic feet per sack).
- 5M BOPE shall be required, when drilling out surface casing shoe. The 5M BOPE shall meet all requirements of Onshore Order #2 including testing requirements.
- The top of the production casing cement shall extend a minimum of 200 feet above the 9 5/8 inch surface casing shoe.
- All casing strings below the conductor shall be pressure tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the internal yield strength of the casing.

A formation integrity test shall be performed at the 9 5/8 inch casing shoe after drilling 20 feet or less.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: BIA 14-20-H62-5500
2. NAME OF OPERATOR: BILL BARRETT CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY DENVER STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834' FSL x 344' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 28 T4S R6W		8. WELL NAME and NUMBER: # 16-28-46 DLB
PHONE NUMBER: (303) 312-8546		9. API NUMBER: 4301333631
		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BILL BARRETT CORPORATION (BBC) REQUESTS A ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORIGINAL APD WAS APPROVED ON MAY 7, 2007 AND EXPIRES MAY 7, 2008.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-06-08
By: [Signature]

COPY SENT TO OPERATOR

Date: 5-7-2008
Initials: KS

NAME (PLEASE PRINT) <u>REED HADDOCK</u>	TITLE <u>PERMIT ANALYST</u>
SIGNATURE <u>[Signature]</u>	DATE <u>5/1/2008</u>

(This space for State use only)

RECEIVED
MAY 06 2008
DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4301333631
Well Name: 16-28-46 DLB
Location: 1834' FSL, 344' FEL, NESE, SEC. 28, T4S, R6W
Company Permit Issued to: BILL BARRETT CORPORATION
Date Original Permit Issued: 5/7/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

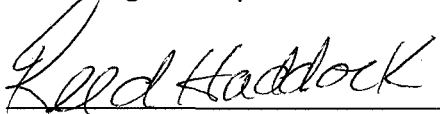
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature


Date

Title: PERMIT ANALYST

Representing: BILL BARRETT CORPORATION

RECEIVED
MAY 06 2008
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: BIA 14-20-H62-5500
2. NAME OF OPERATOR: BILL BARRETT CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834' FSL, 344' FEL		8. WELL NAME and NUMBER: #16-28-46 DLB
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 28 T4S R6W		9. API NUMBER: 4301333631
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BILL BARRETT CORPORATION (BBC) REQUESTS AN ADDITIONAL ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORIGINAL APD WAS APPROVED ON MAY 7, 2007, THE PREVIOUS PERMIT EXTENSION WAS FILED ON MAY 1, 2008 AND EXPIRES ON MAY 6, 2009.

Approved by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 5.12.2009
Initials: KS

Date: 05-11-09
By: [Signature]

NAME (PLEASE PRINT) <u>Matt Barber</u>	TITLE <u>Permit Analyst</u>
SIGNATURE <u>Matt Barber</u>	DATE <u>4/30/2009</u>

(This space for State use only)

RECEIVED
MAY 06 2009

DIV. OF OIL, GAS & MINING



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4301333631
Well Name: #16-28-46 DLB
Location: 1834' FSL, 344' FEL, NESE, Sec. 8, T4S-R6W
Company Permit Issued to: Bill Barrett Corporation
Date Original Permit Issued: 5/7/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Matt Barker
Signature

4/30/2009
Date

Title: Permit Analyst

Representing: Bill Barrett Corporation

RECEIVED

MAY 06 2009

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District-Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410
<http://www.blm.gov/ut/st/en/fo/vernal.html>

IN REPLY REFER TO:

3160
UTG011

August 6, 2009

Matt Barber
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

43 013 33631
Re: Notice of Expiration
Well No. 16-28-46 DLB
NESE, Sec. 28, T4S, R6W
Duchesne County, Utah
Lease No. 14-20-H62-5500

Dear Mr. Barber:

The Application for Permit to Drill for the above-referenced well was approved on June 5, 2007. No extension of the original APD was requested. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact me at (435) 781-3428.

Sincerely,

Robin R. Hansen
Legal Instruments Examiner

cc: UDOGM
BIA
Ute Tribe

RECEIVED
SEP 15 2009
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 16-28-46 DLB			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000			
PHONE NUMBER: 303 312-8128 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT			
COUNTY: DUCHESNE		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/6/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. As per conversation between Brad Hill (DOGM Permitting Manager) and Tracey Fallang (BBC Permit Specialist) on May 6, 2010, BBC has been granted an additional year extension on the APD for this location. The original APD was approved on May 7, 2007. The previous permit extension expires on May 7, 2010.					
NAME (PLEASE PRINT) Matt Barber		PHONE NUMBER 303 312-8168			
SIGNATURE N/A		TITLE Permit Analyst			
DATE 5/6/2010		DATE: May 10, 2010 By:			

RECEIVED May 06, 2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013336310000

API: 43013336310000

Well Name: 16-28-46 DLB

Location: 1834 FSL 0344 FEL QTR NESE SEC 28 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 5/7/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Matt Barber

Date: 5/6/2010

Title: Permit Analyst **Representing:** BILL BARRETT CORP

Date: May 10, 2010

By: 

RECEIVED May 06, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: 16-28-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013336310000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/18/2011		
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
OTHER: Correct Lease Number		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being submitted to correct the lease number on file to 14-20-H62-6109.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Tracey Fallang		PHONE NUMBER 303 312-8134
SIGNATURE N/A		TITLE Regulatory Manager
		DATE 3/18/2011

APD PMT RCVD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 12 2010

BLM - VFO

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H626109
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No.
Contact: ELAINE WINICK E-Mail: ewinick@billbarrettcorp.com		8. Lease Name and Well No. 16-28-46 DLB
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8168	9. API Well No. 43-013-33631
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESE 1834FSL 344FEL At proposed prod. zone SESE 660FSL 660FEL		10. Field and Pool, or Exploratory ALTAMONT
14. Distance in miles and direction from nearest town or post office* 12.3 MILES SW OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 28 T4S R6W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'	16. No. of Acres in Lease 619.35	12. County or Parish DUCHESNE
17. Spacing Unit dedicated to this well 40.00	18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2610'	13. State UT
19. Proposed Depth 7500 MD 7284 TVD	20. BLM/BIA Bond No. on file	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 7254 GL	22. Approximate date work will start 05/11/2011	23. Estimated duration 65 DAYS (D&C)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) ELAINE WINICK Ph: 303-312-8168	Date 10/07/2010
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	MAR 16 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #94263 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by ROBIN HANSEN on 10/20/2010 (11RRH0246AE)

NOTICE OF APPROVAL
RECEIVED

MAR 29 2011

DIV. OF OIL, GAS & MINING

UDOGM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

11RRH0246AE

NO NOS



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: 16-28-46 DLB
API No: 43-013-33631

Location: NESE, Sec. 28, T4S, R6W
Lease No: 14-20-H62-6109
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- A 184.43' by 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- The operator will strictly adhere to all Stipulations and Conditions of Approval associated with the Lake Canyon Environmental Assessment for the location.
- A qualified Archeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy and Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The company shall assure the Ute Tribe that "ALL CONTRACTORS INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC," have acquired a current and valid Ute Tribal business license and have "Assess Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's, COAs, and ROWs applications the operator will notify the Ute Tribe in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, ROW permits/authorizations, and COAs on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe/BIA shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy and Minerals Department, so that Tribal Technician can verify Affidavit of Completion.
- All production facilities shall be painted Olive Black to blend in with the surrounding vegetation.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- Oil (or Diesel) shall not be used in the water based mud system without prior approval. Written request for approval shall be required.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/7/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 BBC is requesting a one year extension to this APD that expires 5/7/2011. Per previous conversations had between Tracey Fallang of BBC and Brad Hill, an extension may be granted on this APD due to the fact that federal authority approval was recently received.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 04/14/2011

By:

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/8/2011	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013336310000

API: 43013336310000

Well Name: 16-28-46 DLB

Location: 1834 FSL 0344 FEL QTR NESE SEC 28 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 5/7/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Brady Riley

Date: 4/8/2011

Title: Permit Analyst **Representing:** BILL BARRETT CORP

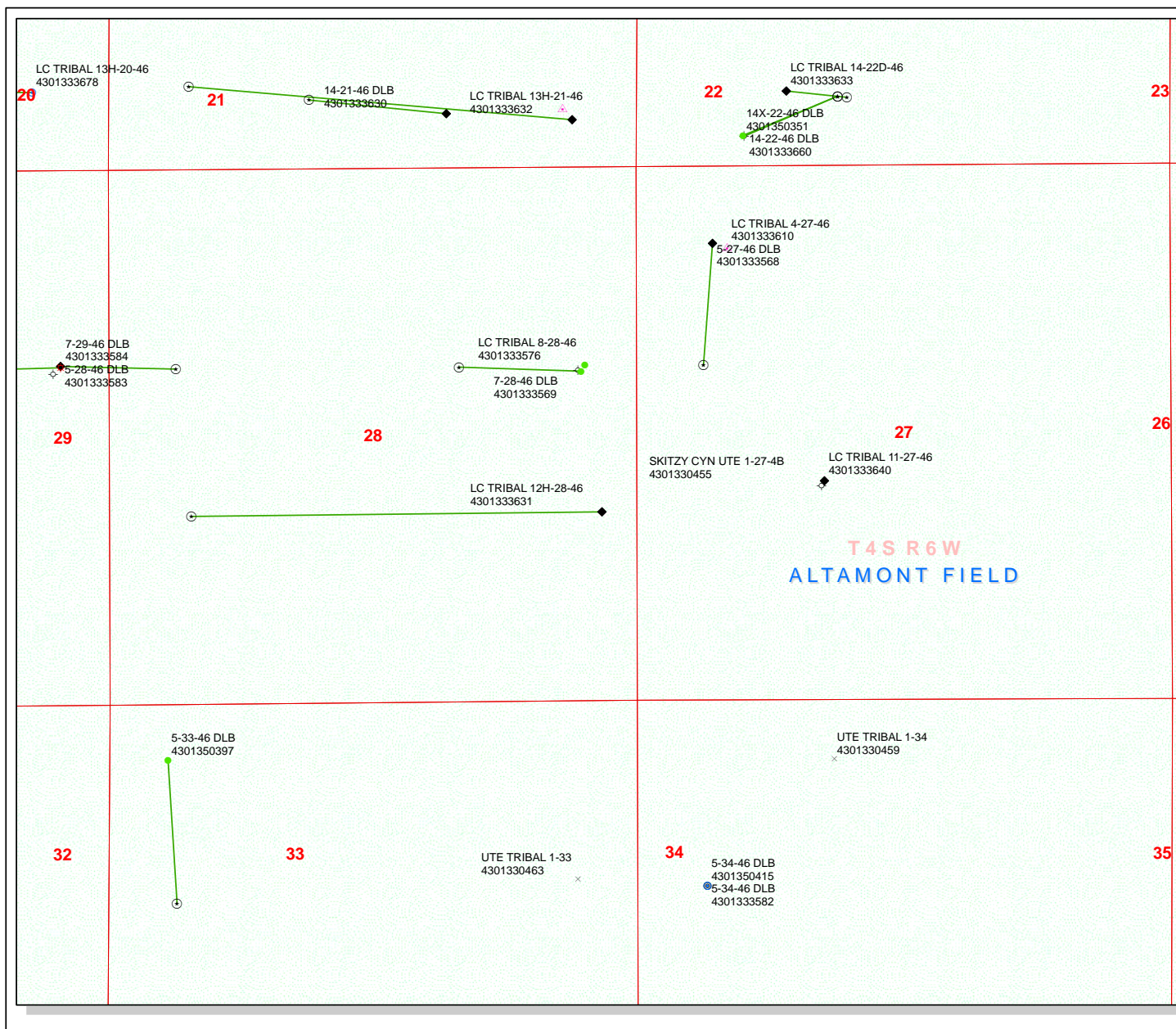
RECEIVED Apr. 08, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 16-28-46 DLB			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000			
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/1/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being requested to change the name to the LC Tribal 12H-28-46. BBC is also requesting permission to change this well from a directional well to a horizontal well. New plat, drilling plan, directional plan, one mile radius map, and Horizontal Letter are attached. Distance to nearest lease line is 345' to the NE and the distance to the nearest well is 3403' to the SE. Please contact Brady Riley at 303-312-8115 with questions in regard to the changes.					
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115			
SIGNATURE N/A		TITLE Permit Analyst			
DATE 4/8/2011					

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

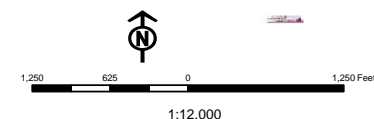
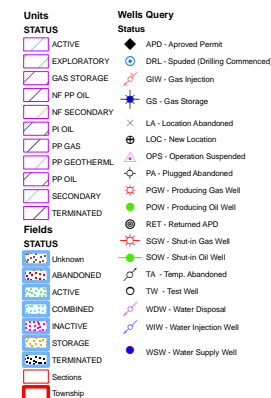
Date: 04/14/2011

By:



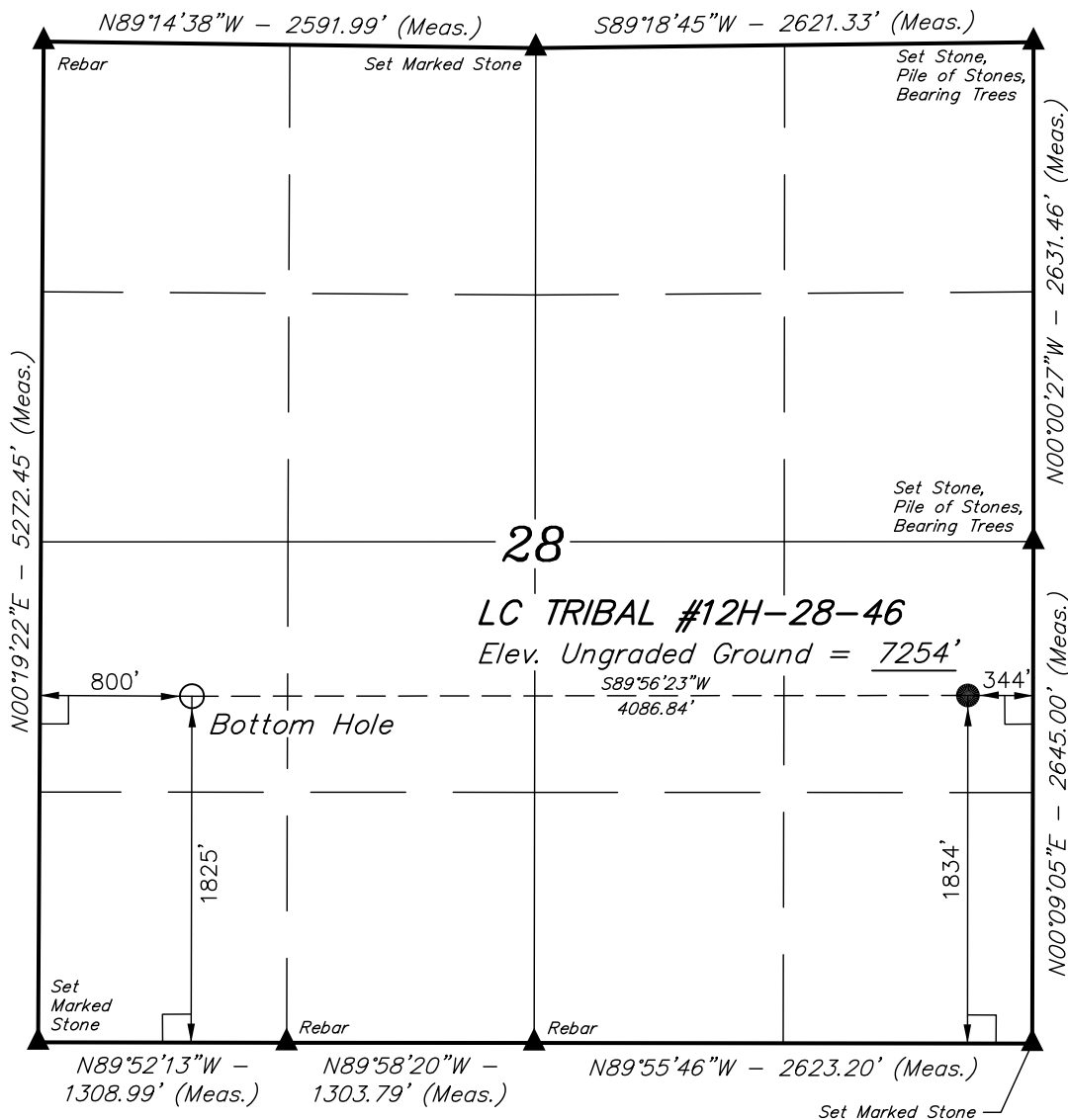
API Number: 4301333631
Well Name: LC TRIBAL 12H-28-46
Township T0.4 . Range R0.6 . Section 28
Meridian: UBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason



Sundry Number: 14249 API Well Number: 43013336310000

T4S, R6W, U.S.B.&M.



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°06'06.78" (40.101883)	LATITUDE = 40°06'06.92" (40.101922)
LONGITUDE = 110°34'27.37" (110.574269)	LONGITUDE = 110°33'34.80" (110.559667)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°06'06.93" (40.101925)	LATITUDE = 40°06'07.07" (40.101964)
LONGITUDE = 110°34'24.81" (110.573558)	LONGITUDE = 110°33'32.24" (110.558956)

BILL BARRETT CORPORATION

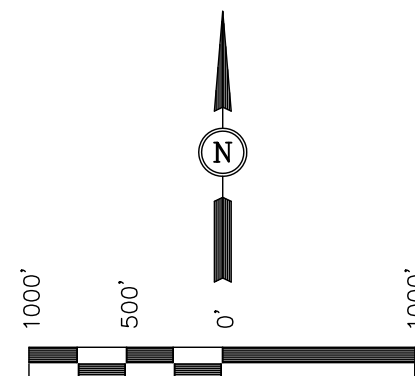
Well location, LC TRIBAL #12H-28-46, located as shown in the NE 1/4 SE 1/4 of Section 28, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

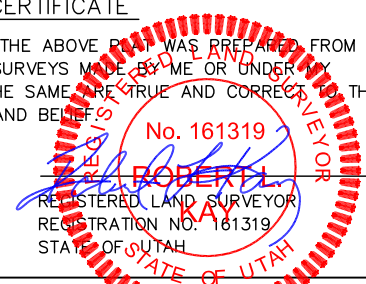
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 02-18-11

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-10-07	DATE DRAWN: 04-12-07
PARTY D.S. J.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BILL BARRETT CORPORATION	

DRILLING PLAN

BILL BARRETT CORPORATION

LC Tribal 12H-28-46

SHL: NESE, 1834' FSL, 344' FEL, Section 28-T4S-R6W

BHL: NWSW, 1825' FSL & 800' FWL, Section 28-T4S-R6W

Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a horizontal through the prospective zone within the Uteland Butte.

1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

HORIZONTAL FORMATION TOPS

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Surface casing	1000'	1000'
Green River	1952'	1952'
Mahogany	2527'	2527'
TGR3	3677'	3677'
Douglas Creek	4477'	4477'
Black Shale	5247'	5247'
KOP	5270'	5270'
Castle Peak	5471'	5467'
Uteland Butte (Penetration Point)	5915'	5787'
CR1	6036'*	5827'
Landing Point	6189'	5842'
TD (CR1)	9684'	5722'

*PROSPECTIVE PAY

The Uteland Butte/CR1 is the primary objective for oil/gas.

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
12-1/4"	surface	1,000'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 3/4"	1000'	5000'	7"	23.0 ppf	P-110	LT&C	New
6 1/4"	5000'	TD'	4 1/2 Liner	11.6 ppf	P-110	LT&C	New

Drilling Plan
LC Tribal 12H-28-46
Duchesne Co., UT

5. Cementing Program

9 5/8" Surface Casing	Cement with approximately 480 sx Premium Plus – Type III cement with additives mixed at 14.8 ppg (yield = 1.35 ft ³ /sx), calculated hole volume with 100% excess. <i>Top out cement</i> , if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft ³ /sk)
7" Intermediate Casing	<i>Lead</i> with approximately 215 sx HOWCO Light Premium cement with additives, mixed at 11.0 ppg (yield = 3.14 ft ³ /sx). <i>Tail</i> with approximately 280 sx Halliburton 50/50 POZ Premium cement with additives mixed at 13.5 ppg (yield = 1.46 ft ³ /sx). Planned TOC = 1000' above the KOP (tail).
4 1/2" Liner	<i>No cement will be used in this section. Swell packers or Packers Plus (or equivalent) will be run to isolate the production hole from the intermediate casing section.</i>
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to surface.	

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
40' – 1,000'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,000' – 3000'	8.9 – 9.2	26 - 36	NC	Fresh Water with sweeps
3000' – 5000'	9.2 – 9.4	42 – 55	6 – 10	Fresh Water PHPA
5000' – TD	9.0 - 9.2	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

Drilling Plan
LC Tribal 12H-28-46
Duchesne Co., UT

7. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,000'	No pressure control required
1,000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 5000 psi;	
- Ancillary equipment and choke manifold rated at 5,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

8. Auxiliary Equipment

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.
Note: All open hole logs would be run on the proposed "pilot hole" portion of the wellbore. FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4633 psi* and maximum anticipated surface pressure equals approximately 2503 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

Drilling Plan
LC Tribal 12H-28-46
Duchesne Co., UT

12. Drilling Schedule

Location Construction:	Constructed 6/23/2011
Spud:	Conductor Casing Spud 7/7/2011
	Surface Casing Spud Date Approx. 9/1/2011
Duration:	25 days drilling time
	25 days completion time

Well name:
Operator: **BBC**
String type: **Surface**
Location: **Utah**

LC Tribal 12H-28-46**Design parameters:****Collapse**

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 89 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Minimum Drift: 8.750 in
Cement top: -0 ft

Burst

Max anticipated surface pressure: 377 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 597 psi
Annular backup: 9.50 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.
Neutral point: 867 ft

Re subsequent strings:

Next setting depth: 4,730 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,212 psi
Fracture mud wt: 11.500 ppg
Fracture depth: 1,000 ft
Injection pressure 597 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	9.625	36.00	K-55	ST&C	1000	1000	8.765	71.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	467	2020	4.321	377	3520	9.33	36	423	11.75 J

Bill Barrett

Date: February 17, 2011
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Apr. 08, 2011

Well name: **LC Tribal 12H-28-46**
 Operator: **BBC**
 String type: **Intermediate**
 Location: **Utah**

Design parameters:**Collapse**

Mud weight: 9.200 ppg
 Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 141 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft
 Minimum Drift: 6.250 in

Burst

Max anticipated surface pressure: 1,220 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 2,261 psi
 Annular backup: 9.50 ppg

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on air weight.
 Neutral point: 4,076 ft

Directional well information:

Kick-off point: 4253 ft
 Departure at shoe: 487 ft
 Maximum dogleg: 12 °/100ft
 Inclination at shoe: 91.2 °

Re subsequent strings:

Next setting depth: 4,658 ft
 Next mud weight: 9.000 ppg
 Next setting BHP: 2,178 psi
 Fracture mud wt: 14.000 ppg
 Fracture depth: 4,730 ft
 Injection pressure: 3,440 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5013	7	23.00	S-95	LT&C	4730	5013	6.25	231.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2261	5268	2.330	1220	7530	6.17	109	512	4.71 J

Note: will actually run HCP-110. Casing design did not have correct strength values.

Bill Barrett

Date: February 18, 2011
 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 4730 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Apr. 08, 2011

Well name: **LC Tribal 12H-28-46**
 Operator: **BBC**
 String type: **Production**
 Location: **Utah**

Design parameters:**Collapse**

Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 140 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

Cement top: 3,210 ft

Burst

Max anticipated surface pressure: 1,153 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,178 psi
 Annular backup: 9.50 ppg

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Directional well information:

Kick-off point 4253 ft
 Departure at shoe: 3697 ft
 Maximum dogleg: 12 °/100ft
 Inclination at shoe: 91.29 °

Tension is based on air weight.
 Neutral point: 4,031 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8223	4.5	11.60	P-110	LT&C	4658	8223	3.875	190.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2178	7580	3.481	1153	10690	9.27	54	279	5.16 J

Bill Barrett

Date: February 18, 2011
 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 4658 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Apr. 08, 2011

Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 28-T4S-R6W

LC Tribal #12H-28-46

Plan A Rev 0

Plan: Plan A Rev 0 Proposal

Sperry Drilling Services Proposal Report

25 March, 2011

Well Coordinates: 645,570.26 N, 2,263,231.45 E (40° 06' 07.07" N, 110° 33' 32.24" W)

Ground Level: 7,253.00 ft

Local Coordinate Origin: Centered on Well LC Tribal #12H-28-46

Viewing Datum: RKB 24' @ 7277.00ft (H&P 319)

TVDs to System: N

North Reference: True

Unit System: API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 431

HALLIBURTON

RECEIVED Apr. 08, 2011

Plan Report for LC Tribal #12H-28-46 - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,952.00	0.00	0.00	1,952.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River										
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,527.00	0.00	0.00	2,527.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mahogany										
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,677.00	0.00	0.00	3,677.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TGR3										
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,477.00	0.00	0.00	4,477.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Douglas Creek										
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for LC Tribal #12H-28-46 - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,247.00	0.00	0.00	5,247.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black Shale										
5,269.51	0.00	0.00	5,269.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kickoff at 5269.51 ft										
5,300.00	3.05	269.81	5,299.99	0.00	-0.81	0.81	10.00	10.00	0.00	269.81
5,350.00	8.05	269.81	5,349.74	-0.02	-5.65	5.65	10.00	10.00	0.00	0.00
5,400.00	13.05	269.81	5,398.87	-0.05	-14.80	14.80	10.00	10.00	0.00	0.00
5,450.00	18.05	269.81	5,447.03	-0.10	-28.20	28.20	10.00	10.00	0.00	0.00
5,471.14	20.16	269.81	5,467.00	-0.12	-35.11	35.11	10.00	10.00	0.00	0.00
Castle Peak										
5,500.00	23.05	269.81	5,493.83	-0.16	-45.74	45.74	10.00	10.00	0.00	0.00
Build Rate = 10.00°/100 ft										
5,550.00	28.05	269.81	5,538.93	-0.23	-67.30	67.30	10.00	10.00	0.00	0.00
5,600.00	33.05	269.81	5,581.98	-0.31	-92.70	92.70	10.00	10.00	0.00	0.00
5,650.00	38.05	269.81	5,622.64	-0.41	-121.77	121.77	10.00	10.00	0.00	0.00
5,700.00	43.05	269.81	5,660.62	-0.52	-154.26	154.26	10.00	10.00	0.00	0.00
5,750.00	48.05	269.81	5,695.63	-0.64	-189.94	189.94	10.00	10.00	0.00	0.00
5,800.00	53.05	269.81	5,727.39	-0.78	-228.54	228.54	10.00	10.00	0.00	0.00
5,850.00	58.05	269.81	5,755.66	-0.92	-269.75	269.76	10.00	10.00	0.00	0.00
5,900.00	63.05	269.81	5,780.24	-1.06	-313.28	313.28	10.00	10.00	0.00	0.00
5,915.32	64.58	269.81	5,787.00	-1.11	-327.03	327.03	10.00	10.00	0.00	0.00
Penetration Point (Uteland Butte) - Uteland Butte (Penetration Point)										
5,950.00	68.05	269.81	5,800.93	-1.22	-358.78	358.78	10.00	10.00	0.00	0.00
6,000.00	73.05	269.81	5,817.57	-1.38	-405.91	405.91	10.00	10.00	0.00	0.00
6,036.09	76.66	269.81	5,827.00	-1.50	-440.74	440.75	10.00	10.00	0.00	0.00
CR1										
6,050.00	78.05	269.81	5,830.05	-1.54	-454.31	454.32	10.00	10.00	0.00	0.00
6,100.00	83.05	269.81	5,838.25	-1.71	-503.62	503.62	10.00	10.00	0.00	0.00
6,150.00	88.05	269.81	5,842.13	-1.88	-553.45	553.46	10.00	10.00	0.00	0.00
6,189.21	91.97	269.81	5,842.12	-2.01	-592.66	592.66	10.00	10.00	0.00	0.00
End Build at 6189.21 ft - Landing Point										
6,200.00	91.97	269.81	5,841.75	-2.05	-603.44	603.44	0.00	0.00	0.00	0.00
6,300.00	91.97	269.81	5,838.32	-2.39	-703.38	703.38	0.00	0.00	0.00	0.00
6,400.00	91.97	269.81	5,834.88	-2.73	-803.32	803.32	0.00	0.00	0.00	0.00
6,500.00	91.97	269.81	5,831.44	-3.07	-903.26	903.27	0.00	0.00	0.00	0.00
Hold Angle at 91.97°										
6,600.00	91.97	269.81	5,828.00	-3.41	-1,003.20	1,003.21	0.00	0.00	0.00	0.00
6,700.00	91.97	269.81	5,824.56	-3.75	-1,103.14	1,103.15	0.00	0.00	0.00	0.00
6,800.00	91.97	269.81	5,821.13	-4.08	-1,203.08	1,203.09	0.00	0.00	0.00	0.00
6,900.00	91.97	269.81	5,817.69	-4.42	-1,303.02	1,303.03	0.00	0.00	0.00	0.00
7,000.00	91.97	269.81	5,814.25	-4.76	-1,402.96	1,402.97	0.00	0.00	0.00	0.00
7,100.00	91.97	269.81	5,810.81	-5.10	-1,502.90	1,502.91	0.00	0.00	0.00	0.00
7,200.00	91.97	269.81	5,807.38	-5.44	-1,602.84	1,602.85	0.00	0.00	0.00	0.00
7,300.00	91.97	269.81	5,803.94	-5.78	-1,702.78	1,702.79	0.00	0.00	0.00	0.00
7,400.00	91.97	269.81	5,800.50	-6.12	-1,802.72	1,802.73	0.00	0.00	0.00	0.00
7,500.00	91.97	269.81	5,797.06	-6.46	-1,902.66	1,902.67	0.00	0.00	0.00	0.00
269.81° Azimuth										
7,600.00	91.97	269.81	5,793.63	-6.80	-2,002.60	2,002.62	0.00	0.00	0.00	0.00
7,700.00	91.97	269.81	5,790.19	-7.14	-2,102.54	2,102.56	0.00	0.00	0.00	0.00
7,800.00	91.97	269.81	5,786.75	-7.48	-2,202.48	2,202.50	0.00	0.00	0.00	0.00
7,900.00	91.97	269.81	5,783.31	-7.82	-2,302.42	2,302.44	0.00	0.00	0.00	0.00
8,000.00	91.97	269.81	5,779.88	-8.16	-2,402.36	2,402.38	0.00	0.00	0.00	0.00
8,100.00	91.97	269.81	5,776.44	-8.50	-2,502.31	2,502.32	0.00	0.00	0.00	0.00
8,200.00	91.97	269.81	5,773.00	-8.84	-2,602.25	2,602.26	0.00	0.00	0.00	0.00
8,300.00	91.97	269.81	5,769.56	-9.17	-2,702.19	2,702.20	0.00	0.00	0.00	0.00

Plan Report for LC Tribal #12H-28-46 - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
8,400.00	91.97	269.81	5,766.13	-9.51	-2,802.13	2,802.14	0.00	0.00	0.00	0.00
8,500.00	91.97	269.81	5,762.69	-9.85	-2,902.07	2,902.08	0.00	0.00	0.00	0.00
8,600.00	91.97	269.81	5,759.25	-10.19	-3,002.01	3,002.02	0.00	0.00	0.00	0.00
8,700.00	91.97	269.81	5,755.81	-10.53	-3,101.95	3,101.96	0.00	0.00	0.00	0.00
8,800.00	91.97	269.81	5,752.37	-10.87	-3,201.89	3,201.91	0.00	0.00	0.00	0.00
8,900.00	91.97	269.81	5,748.94	-11.21	-3,301.83	3,301.85	0.00	0.00	0.00	0.00
9,000.00	91.97	269.81	5,745.50	-11.55	-3,401.77	3,401.79	0.00	0.00	0.00	0.00
9,100.00	91.97	269.81	5,742.06	-11.89	-3,501.71	3,501.73	0.00	0.00	0.00	0.00
9,200.00	91.97	269.81	5,738.62	-12.23	-3,601.65	3,601.67	0.00	0.00	0.00	0.00
9,300.00	91.97	269.81	5,735.19	-12.57	-3,701.59	3,701.61	0.00	0.00	0.00	0.00
9,400.00	91.97	269.81	5,731.75	-12.91	-3,801.53	3,801.55	0.00	0.00	0.00	0.00
9,500.00	91.97	269.81	5,728.31	-13.25	-3,901.47	3,901.49	0.00	0.00	0.00	0.00
9,600.00	91.97	269.81	5,724.87	-13.59	-4,001.41	4,001.43	0.00	0.00	0.00	0.00
9,683.60	91.97	269.81	5,722.00	-13.87	-4,084.96	4,084.98	0.00	0.00	0.00	0.00

Total Depth = 9683.60 ft - TD @ 9683.60ft - LC Tribal #12H-28-46 Plan A Rev 0_BHL TGT

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,269.51	5,269.51	0.00	0.00	Kickoff at 5269.51 ft
5,500.00	5,493.83	-0.16	-45.74	Build Rate = 10.00°/100 ft
5,915.32	5,787.00	-1.11	-327.03	Penetration Point (Uteland Butte)
6,189.21	5,842.12	-2.01	-592.66	End Build at 6189.21 ft
6,500.00	5,831.44	-3.07	-903.26	Hold Angle at 91.97°
7,500.00	5,797.06	-6.46	-1,902.66	269.81° Azimuth
9,683.60	5,722.00	-13.87	-4,084.96	Total Depth = 9683.60 ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/_S (ft)	+E/-W (ft)	
Target	LC Tribal #12H-28-46 Plan A Rev 0_BHL TGT	269.81	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	9,683.60	Plan A Rev 0 Proposal	MWD

Plan Report for LC Tribal #12H-28-46 - Plan A Rev 0 Proposal**Formation Details**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,952.00	1,952.00	Green River		0.00	
2,527.00	2,527.00	Mahogany		0.00	
3,677.00	3,677.00	TGR3		0.00	
4,477.00	4,477.00	Douglas Creek		0.00	
5,247.00	5,247.00	Black Shale		0.00	
5,471.14	5,467.00	Castle Peak		0.00	
5,915.32	5,787.00	Uteland Butte (Penetration Point)		0.00	
6,036.09	5,827.00	CR1		0.00	
6,189.21	5,842.12	Landing Point		0.00	
9,683.60	5,722.00	TD @ 9683.60ft		0.00	

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
LC Tribal #12H-28-46 Plan A_SHL	0.00	0.00	0.00	Point
LC Tribal #12H-28-46 Plan A Rev 0_BHL TGT	5,722.00	-13.87	-4,084.96	Point
LC Tribal #12H-28-46 SECTION LINES	0.00	0.00	0.00	Polygon

North Reference Sheet for Sec. 28-T4S-R6W - LC Tribal #12H-28-46 - Plan A Rev 0

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 24' @ 7277.00ft (H&P 319). Northing and Easting are relative to LC Tribal #12H-28-46

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -111.50°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99990965

Grid Coordinates of Well: 645,570.26 ft N, 2,263,231.45 ft E

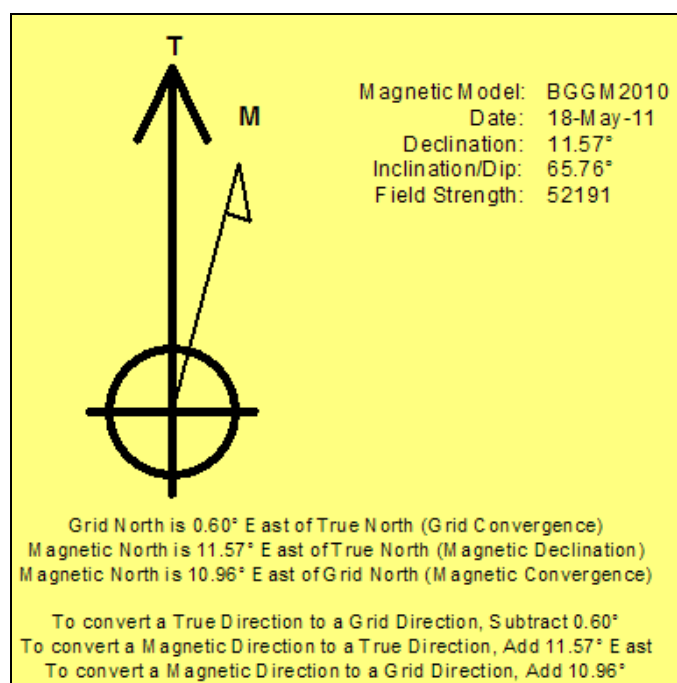
Geographical Coordinates of Well: 40° 06' 07.07" N, 110° 33' 32.24" W

Grid Convergence at Surface is: 0.60°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,683.60ft

the Bottom Hole Displacement is 4,084.98ft in the Direction of 269.81° (True).

Magnetic Convergence at surface is: -10.96° (18 May 2011, , BGGM2010)



Project: Duchesne County, UT (NAD 1927)
 Site: Sec. 28-T4S-R6W
 Well: LC Tribal #12H-28-46
 Wellbore: Plan A Rev 0
 Design: Plan A Rev 0 Proposal

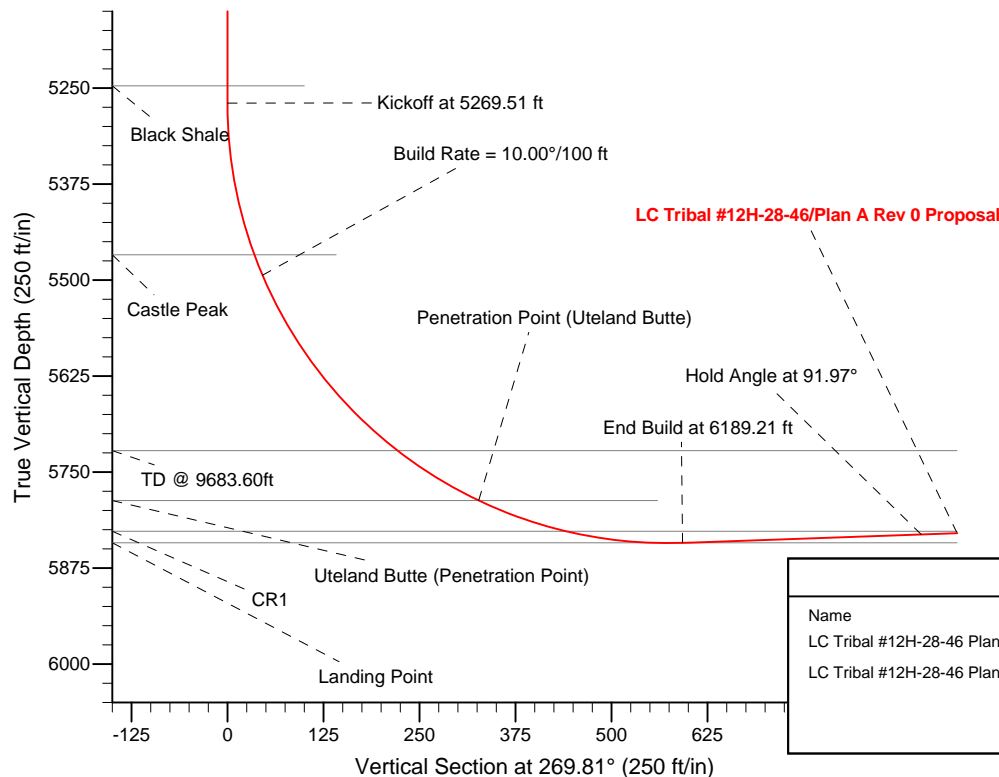
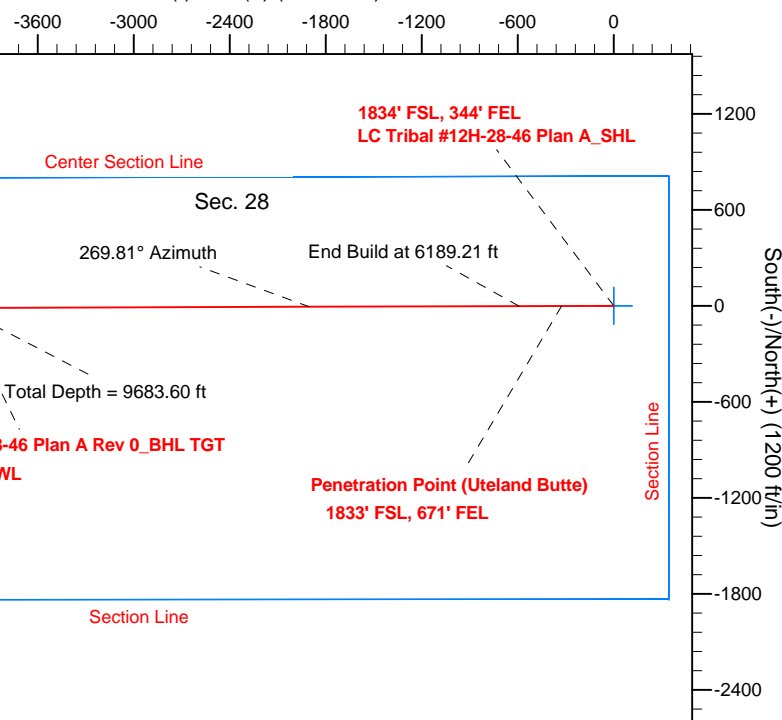
Bill Barrett Corp

HALLIBURTON
 Sperry Drilling

SECTION DETAILS

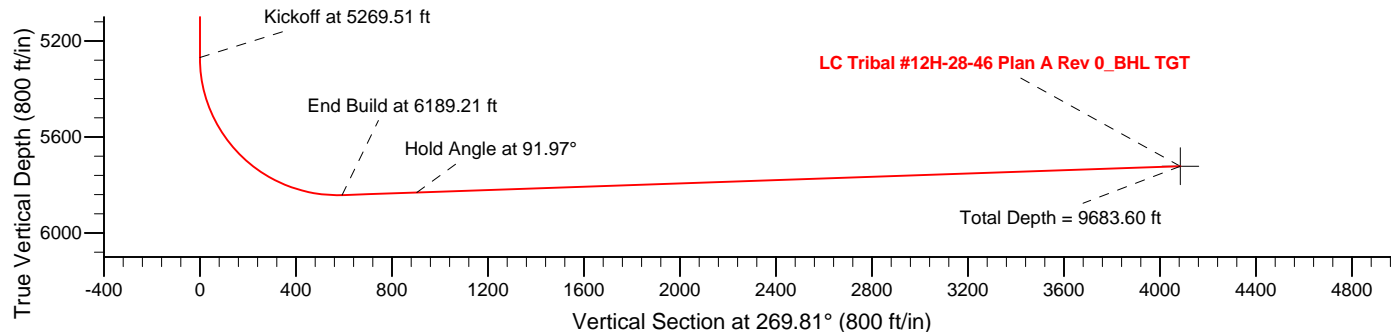
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5269.51	0.00	0.00	5269.51	0.00	0.00	0.00	0.00	0.00	
3	6189.21	91.97	269.81	5842.12	-2.01	-592.65	10.00	269.81	592.65	
4	9683.60	91.97	269.81	5722.00	-13.87	-4084.96	0.00	0.00	4084.99	LC Tribal #12H-28-46 Plan A Rev 0_BHL TGT

West(-)/East(+) (1200 ft/in)



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Point
LC Tribal #12H-28-46 Plan A_SHL				645570.26	2263231.45	40° 6' 7.070 N	110° 33' 32.242 W	Point
LC Tribal #12H-28-46 Plan A Rev 0_BHL TGT	5722.00	-13.87	-4084.96	645513.42	2259147.23	40° 6' 6.930 N	110° 34' 24.809 W	Point



WELL DETAILS: LC Tribal #12H-28-46

Ground Level:	7253.00
Northing	645570.26
Easting	2263231.45
Latitude	40° 6' 7.070 N
Longitude	110° 33' 32.242 W

Plan A Rev 0 Proposal (LC Tribal #12H-28-46)

Created By: Jerry Popp	Date: 03/25/2011
Checked: _____	Date: _____
Reviewed: _____	Date: _____
Approved: _____	Date: _____

RECEIVED Apr. 08, 2011

4S/6W

LC TRIBAL 12H-28-46




LC TRIBAL 12H-28-46



One Mile Radius Map

LC Tribal 12H-28-46 Pad
NESE, Section 28, T4S, R6W
Duchesne County, Utah

Legend

-  Drilling - 1 Total
-  Oil - 6 Total
-  P&A - 4 Total

Apr. 08, 2011

April 6, 2011



April 6th, 2011

Ms. Diana Mason, Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Horizontal Drilling
LC Tribal #12H-28-46
T4S-R6W, S.L.B.&M.
Section 28: SHL in the NESE 1,834' FSL & 344' FEL
BHL in the NWSW 1,825' FSL & 800' FWL
Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above-referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-2 pertaining to a temporary 640 acre spacing unit for a horizontal well.

- Tribal Exploration and Development Agreement #14-20-H62-5500, which includes all of the subject Section 28 and other lands, allows for the drilling of the LC Tribal #12H-28-46 well. In November of 2007, BBC drilled the 7-28-46 DLB Well and earned BIA Lease #14-20-H62-6109, covering 619.35 "deep depth" acres being further described in the Exploration and Development Agreement.
- The LC Tribal #12H-28-46 will be perforated no less than 660 feet from the Section 28 Tribal Lease boundary, in accordance with R649-3-2(3).

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-2. If you should have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

BILL BARRETT CORPORATION

David Watts
BR
David Watts
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202

Apr. 08, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 12H-28-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/15/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being submitted to request a change in the proposed surface casing depth. Per discussions between Brent Murphy (BBC Drilling Engineer) and Michael Lee (BLM), BBC is requesting setting 9 5/8" at 1500' (versus the currently permitted 1000') to cover the lost circulation zone at this location (LC @ 1250'). If you have any further questions, please contact Brent Murphy at 303-312-8144.		
Accepted by the Utah Division of Oil, Gas and Mining		Date: 07/11/2011 By:
NAME (PLEASE PRINT) Tracey Fallang		PHONE NUMBER 303 312-8134
SIGNATURE N/A		TITLE Regulatory Manager
DATE 6/30/2011		

Well name:	BTR/LC HZ Well
Operator:	BBC
String type:	Surface
Location:	Utah

Design parameters:**Collapse**

Mud weight: 8.900 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 96 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Minimum Drift: 8.750 in
Cement top: Surface

Burst

Max anticipated surface pressure: 527 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 857 psi

Annular backup: 9.50 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 1,302 ft

Re subsequent strings:

Next setting depth: 4,697 ft
Next mud weight: 9.500 ppg
Next setting BHP: 2,318 psi
Fracture mud wt: 11.000 ppg
Fracture depth: 1,500 ft
Injection pressure 857 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1500	9.625	36.00	K-55	ST&C	1500	1500	8.765	106.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	693	2020	2.913	527	3520	6.68	47	423	9.02 J

Bill Barrett

Date: June 23, 2011
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Jun. 30, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
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9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 6/30/11, BBC submitted a sundry request to change surface casing setting depth to 1500 ft. After further review, BBC is submitting another request to drill a pilot hole on this well, similar to the previous horizontal wells BBC has drilled in this area. A revised drilling plan with proposed changes (from 6/30/11) and this request is attached. Please contact Brent Murphy at 303-312-8144 for any questions regarding this proposed modification.					
Accepted by the Utah Division of Oil, Gas and Mining Date: 07/11/2011 By:					
NAME (PLEASE PRINT) Tracey Fallang		PHONE NUMBER 303 312-8134			
SIGNATURE N/A		TITLE Regulatory Manager			
DATE 7/1/2011					

DRILLING PLAN (Revised 7/1/11)

BILL BARRETT CORPORATION

LC Tribal 12H-28-46

SHL: NESE, 1834' FSL, 344' FEL, Section 28-T4S-R6W

BHL: NWSW, 1825' FSL & 800' FWL, Section 28-T4S-R6W

Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a vertical "pilot hole" 200' into the Wasatch, obtaining open hole logs in the vertical portion of the wellbore. Once having successfully obtained log data for determination of lateral wellbore placement, BBC would then plug and abandon the vertical portion of the wellbore from 300' below to +/- 300' above the planned kick off point (600' cement plug). Once the cement plug has cured accordingly BBC would utilize the cement plug to side track the wellbore at kick off point. The lateral portion of the wellbore would then be drilled horizontally through the prospective zone within the Uteland Butte, as identified by open hole logs from the pilot hole.

1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

VERTICAL – PILOT HOLE - FORMATION TOPS

Formation	Depth – MD
Surface casing	1500'
Green River	1952'
Mahogany	2527'
TGR3	3677'
Douglas Creek	4477'
Black Shale	5247'
Castle Peak	5467'
Uteland Butte	5787'
CR-1	5827'
Wasatch	5987'
TD	6187'

The planned cement plug would extend from +/- 5500' back to 4900'

HORIZONTAL FORMATION TOPS

Formation	Depth – MD	Depth - TVD
Surface casing	1500'	1500'
Green River	1952'	1952'
Mahogany	2527'	2527'
TGR3	3677'	3677'
Douglas Creek	4477'	4477'
Black Shale	5247'	5247'
KOP	5270'	5270'
Castle Peak	5471'	5467'
Uteland Butte (Penetration Point)	5915'	5787'
CR1	6036'*	5827'
Landing Point	6189'	5842'
TD (CR1)	9684'	5722'

*PROSPECTIVE PAY

The Uteland Butte CR1 is the primary objectives for oil/gas.

Drilling Plan
LC Tribal 12H-28-46
Duchesne Co., UT

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
(FROM)	(TO)						
12-1/4"	surface	1500'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 3/4"	surface	5000'	7"	23.0 ppf	P-110	LT&C	New
6 1/4"	5000'	TD'	4 1/2 Liner	11.6 ppf	P-110	LT&C	New

5. Cementing Program

9 5/8" Surface Casing	Cement with approximately 480 sx Premium Plus – Type III cement with additives mixed at 14.8 ppg (yield = 1.35 ft ³ /sx), calculated hole volume with 100% excess. <i>Top out cement</i> , if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft ³ /sk)
7" Intermediate Casing	<i>Lead</i> with approximately 315 sx HOWCO Light Premium cement with additives, mixed at 11.0 ppg (yield = 3.14 ft ³ /sx). <i>Tail</i> with approximately 280 sx Halliburton 50/50 POZ Premium cement with additives mixed at 13.5 ppg (yield = 1.46 ft ³ /sx). Planned TOC = 1000' above the KOP (tail).
4 1/2" Liner	<i>No cement will be used in this section. Swell packers or Packers Plus (or equivalent) will be run to isolate the production hole from the intermediate casing section.</i>
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to surface.	

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> (API filtrate)	<u>Remarks</u>
40' – 1,500'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,500' – 3000'	8.9 – 9.2	26 – 36	NC	Fresh Water with sweeps
3000' – 5000'	9.2 – 9.4	42 – 55	6 – 10	Fresh Water PHPA
5000' – TD	9.0 – 9.2	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

Drilling Plan
LC Tribal 12H-28-46
Duchesne Co., UT

7. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,500'	No pressure control required
1,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 5000 psi;	
- Ancillary equipment and choke manifold rated at 5,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

8. Auxiliary Equipment

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.
Note: All open hole logs would be run on the proposed "pilot hole" portion of the wellbore. FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4633 psi* and maximum anticipated surface pressure equals approximately 2503 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

Drilling Plan
LC Tribal 12H-28-46
Duchesne Co., UT

12. Drilling Schedule

Location Construction:	Constructed 6/23/2011
Spud:	Conductor Casing Spud 7/7/2011
	Surface Casing Spud Date Approx. 9/1/2011
Duration:	25 days drilling time
	25 days completion time

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A
Submitted By Venessa Langmach Phone Number 303-312-8172
Well Name/Number LC Tribal 12H-28-46
Qtr/Qtr NESE Section 28 Township 4S Range 6W
Lease Serial Number 1420H626109
API Number 43-013-33631

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 07/07/2011 08:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

RECEIVED

JUL 06 2011

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/7/2011			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is being submitted to notify that this well was spud on
07/07/2011 at 8:00 am by Triple A Drilling.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 7/20/2011	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8172

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334104	7-17-45 BTR		SWNE	17	4S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
AE	17933	17933	2/8/2011		5/4/11		
Comments: Formation change to GR-WS — 7/26/11							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350641	7-26-37 BTR		SWNE	26	3S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18131	6/30/2011		7/26/11		
Comments: Spudding operations were conducted by Triple A Drilling at 8 am. GR-WS —							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333631	LC Tribal 12H-28-46		NESE	28	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18132	7/7/2011		7/26/11		
Comments: Spudding operations were conducted by Triple A Drilling at 8 am. GR-WS BHL = SESE							

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ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

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JUL 20 2011

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

7/20/2011

Date

BLM - Vernal Field Office - Notification Form

CONFIDENTIAL

Operator Bill Barrett Corporation Rig Name/# HP 319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number LC TRIBAL 12H-28-46
Qtr/Qtr NE/SE Section 28 Township 4S Range 6W
Lease Serial Number 420H626109
API Number 43-13-33631-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 07/23/2011 04:00 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

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JUL 26 2011

DIV. OF OIL, GAS & MINING

Date/Time 07/23/2011 18:00 AM ☐ PM ☒

Remarks _____

CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319
Submitted By Glenn Randel Phone Number 970-623-7078
Well Name/Number LC Tribal 12H-28-46
Qtr/Qtr NE/SE Section 28 Township 4S Range 6W
Lease Serial Number 1420H626109
API Number 43-013-33631-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☒ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 07/31/2011 14:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
☒ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

RECEIVED

AUG 01 2011

DIV. OF OIL, GAS & MINING

Date/Time 08/01/2011 02:30 AM ☒ PM ☐

Remarks 3 1/2" ram & door test only after changing ram size.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 12H-28-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/1/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 July Monthly Activity to report: well spud. No other monthly activity to report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/4/2011	

CONFIDENTIAL -

Print Form

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# HP 319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number #LC TRIBAL 12H-28-46
Qtr/Qtr NE/SE Section 28 Township 4S Range 6W
Lease Serial Number 1420H626109
API Number 43-013-33631-00-X1

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 08/09/2011 10:00 AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

RECEIVED

AUG 09 2011

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

CONFIDENTIAL

Carol Daniels

From: JET
To: , "Dennis Ingram" , "BRENTMURPHY" , "Dan Jarvis" , "Carol Daniels" , "E Winick" ,
 , "VenessaLangmacher" , "T Falling"
Date: 8/9/2011 2:27 PM
Attachments:

will be running prod liner. open hole production w/ no cement.
thanks jet

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AUG 09 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 12H-28-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. August 2011 Monthly Drilling Activity Report attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 9/6/2011	

**#LC Tribal 12H-28-46 fka #16-28-46 8/1/2011 06:00 - 8/2/2011 06:00**

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	CIRCULATE CASING W/~95% RETURNS. HELD PJSM W/HOWCO & RIG CREW.
07:00	0.50	07:30	12	RUN CASING & CEMENT	WHEN BREAKING OUT TOP DRIVE FROM CASING, COUPLING TRIED TO BACK OFF. RIG UP TONGS TO BACK UP COUPLING & BACK OUT TOP DRIVE..
07:30	2.50	10:00	12	RUN CASING & CEMENT	INSTALL CEMENT HEAD, MANIFOLD & LINE. TEST LINE TO 5000 PSI. CEMENT CASING W/10 BBL WATER SPACER, 40 BBL SUPERFLUSH 101 @10 PPG, 10 BBL WATER SPACER, 360 SX (149 BBL) TUNED LIGHT + 0.125 PPS POLY-E-FLAKE + 1.0 PPS GRANULITE TR @ 11 PPG & 310 SX (81 BBL) 50/50 POZ + 0.3% BWOC HALAD-344 + 5% BWOC MICROBOND + 0.125 PPS POLY-E-FLAKE + 1.0 PPS GRANULITE TR + 0.1% BWOC HR-5 @ 13.5 PPG. DISPLACED W/240.5 BBL 8.7 PPG MUD. OVERDISPLACED 1/2 BBL, BUT PLUG DID NOT BUMP. BLED OFF 1 1/4 BBL & FLOATS HELD. CIP @ 10:02 HRS. FULL RETURNS THROUGHOUT JOB, BUT NO CEMENT RETURNS. OBSERVED ~10 BBL WATERY MUD AT END OF DISPLACEMENT.
10:00	1.00	11:00	12	RUN CASING & CEMENT	REMOVE CEMENT HEAD & LAND HANGER IN WELLHEAD. BACK OUT & LAY DOWN HANGER RUNNING TOOL.
11:00	0.50	11:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
11:30	1.00	12:30	14	NIPPLE UP B.O.P	CHANGE PIPE RAMS TO 3 1/2". REDRESS TOP DRIVE FOR 3 1/2 DP.
12:30	2.00	14:30	15	TEST B.O.P	LAND TEST PLUG & ATTEMPT TO TEST PIPE RAMS & DOOR SEALS W/O SUCCESS. PROBLEM APPEARS TO BE THE HANGER IS ~2" HIGH.
14:30	3.50	18:00	12	RUN CASING & CEMENT	PICK UP CASING LANDING JT/RUNNING TOOL & ATTEMPT TO MAKE UP ONTO CASING HANGER W/O SUCCESS. PULL RT & WASH OUT THREADS & REMOVE O -RING SEAL FROM NOSE & MAKE UP RT ONTO HANGER. LIFT HANGER ~6" OUT OF WELLHEAD & WASH THRU ACCESS VALVES W/WATER. ATTEMPT TO RE-LAND, BUT HANGER STILL 2" HIGH. CASING WEIGHT STACKED OUT ON BOTTOM OF HOLE. TEST PULL ON HANGER/CASING TO ASCERTAIN IF ENOUGH STRETCH TO INSTALL EMERGENCY SLIPS. LIFTED HANGER ~2 1/2' W/200K PULL.
18:00	3.50	21:30	14	NIPPLE UP B.O.P	NIPPLE DOWN & CHAIN OFF ORBIT VALVE & FLOWLINE. BREAK BOP RISER OFF WELLHEAD & LIFT BOP. PULL HANGER/CASING UP XX' W/212K PULL. INSTALL EMERGENCY CASING SLIPS & HANG OFF CASING W/212K ON SLIPS. ROUGH CUT CASING & LAY DOWN LANDING JT/RT/HANGER. FINAL CUT & DRESS CASING & INSTALL PACKOFF BUSHING.
21:30	2.50	00:00	15	TEST B.O.P	LAND TEST PLUG & TEST BOP. PIPE RAMS, DOOR SEALS, SAFETY VALVE, LOWER KELLY VALVE, GRAY VALVE TO 250/5000 PSI FOR 3/3 MIN EACH TEST. PULL TEST PLUG & INSTALL WEAR BUSHING.
00:00	1.50	01:30	6	TRIPS	MAKE UP NEW BIT #4 & RIH PICKING UP SPERRY TOOLS.
01:30	4.50	06:00	6	TRIPS	RIH PICKING UP 138 JTS 3 1/2 DP. PICK UP 33 X 4 3/4 DC TO 5500'.

#LC Tribal 12H-28-46 fka #16-28-46 8/2/2011 06:00 - 8/3/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	FINISH PICKING UP 6 1/8 DRILLSTRING TO 5983'.
06:30	1.25	07:45	3	REAMING	RIG DOWN LAY DOWN TRUCK. INSTALL ROTATING RUBBER & WASH 6005' TO FLOAT COLLAR @ 6100'.
07:45	0.25	08:00	15	TEST B.O.P	CLOSE ANNULAR PREVENTER & TEST CASING TO 1500 PSI FOR 15 MIN.
08:00	1.25	09:15	3	REAMING	DRILL SHOE TRACK. REAM THRU FLOAT COLLAR & FLOAT SHOE TWICE. NOTE: CASING WAS ON BOTTOM, NO RATHOLE. DRILLED FROM SHOE STRAIGHT INTO FORMATION. CASING TALLY WAS ~7' SHORTER THAN THE CASING.
09:15	1.00	10:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HORIZONTAL HOLE 6190-6272'.
10:15	0.50	10:45	10	DEVIATION SURVEY	SURVEY @ 6235', 92.63 DEG, 274.49 AZ. EXTRA TIME DUE TO PROXIMITY OF 7" CASING.
10:45	2.25	13:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6272-6302'.
13:00	0.75	13:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6302-6330'.
13:45	1.25	15:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6330-6342'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	0.75	15:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6342-6378'.
15:45	1.00	16:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6378-6387'.
16:45	1.00	17:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6387-6424'.
17:45	0.75	18:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6424-6434'.
18:30	0.75	19:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6434-6471'.
19:15	0.50	19:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6471-6480'.
19:45	0.75	20:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6480-6569'.
20:30	0.50	21:00			SLIDE DRILL 6 1/8 HOLE 6569-6576'.
21:00	1.00	22:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6576-6710'.
22:00	0.50	22:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6710-6724'.
22:30	0.50	23:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6724-6758'.
23:00	0.50	23:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6758-6770'.
23:30	0.25	23:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6770-6805'.
23:45	0.25	00:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6805-6811'.
00:00	0.75	00:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6811-6900'.
00:45	0.50	01:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6900-6905'.
01:15	0.25	01:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6905-6948'.
01:30	0.50	02:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6948-6956'.
02:00	0.25	02:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6956-6995'.
02:15	0.50	02:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6995-7001'.
02:45	0.25	03:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7001-7044'.
03:00	0.50	03:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7044-7050'.
03:30	0.25	03:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7050-7091'.
03:45	0.25	04:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7091-7095'.
04:00	0.50	04:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7095-7139'.
04:30	0.75	05:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7139-7148'.
05:15	0.25	05:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7148-7186'.
05:30	0.50	06:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7186-7192'.

#LC Tribal 12H-28-46 fka #16-28-46 8/3/2011 06:00 - 8/4/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7192-7235'.
07:00	0.75	07:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7235-7245'.
07:45	1.00	08:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7245-7330'.
08:45	0.50	09:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7330-7345'.
09:15	0.75	10:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7345-7425'.
10:00	0.50	10:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7425-7433'.
10:30	0.25	10:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7433-7472'.
10:45	0.75	11:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7472-7480'.
11:30	0.50	12:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7480-7520'.
12:00	0.50	12:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7520-7528'.
12:30	0.50	13:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7528-7567'.
13:00	1.00	14:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7567-7582'.
14:00	0.50	14:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7582-7616'.
14:30	0.75	15:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7616-7631'.
15:15	0.50	15:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7631-7663'.
15:45	1.50	17:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7663-7685'.
17:15	0.25	17:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7685-7711'.
17:30	0.50	18:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
18:00	2.25	20:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7711-7733'.
20:15	1.75	22:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7733-7806'.
22:00	1.00	23:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7806-7818'.
23:00	0.50	23:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7818-7854'.
23:30	1.00	00:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7854-7863'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:30	0.75	01:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7863-7915'.
01:15	0.75	02:00	20	DIRECTIONAL WORK	GR STOPPED READING. REBOOT COMPUTER & ADJUST SURFACE EQUIPMENT.
02:00	0.50	02:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7915-7950'.
02:30	0.50	03:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7950-7955'.
03:00	1.00	04:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7955-8044'.
04:00	1.00	05:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8044-8054'.
05:00	0.50	05:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8054-8092'.
05:30	0.50	06:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8092-8097'.

#LC Tribal 12H-28-46 fka #16-28-46 8/4/2011 06:00 - 8/5/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8097-8113'.
07:30	0.50	08:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8113-8140'.
08:00	0.50	08:30	20	DIRECTIONAL WORK	RE-LOG 8112-8140'. SURFACE EQUIPMENT DID NOT RECORD ON FIRST PASS.
08:30	1.50	10:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8140-8150'. LOST ALL DIFF PRESSURE. APPEARS MOTOR DRIVESHAFT TWISTED OFF. NO LOST STANDPIPE PRESSURE EXCEPT DIFF PRESSURE.
10:00	1.75	11:45	5	COND MUD & CIRC	PUMP HIVIS SWEEP & 2X BOTTOMS UP.
11:45	4.00	15:45	6	TRIPS	POH WET TO -6000'. PUMP SLUG & POH.
15:45	2.25	18:00	6	TRIPS	CHANGE MWD PROBE, BREAK OFF BIT #4 (COND: 0-2-BT-G-X-I-NO-DTF). LAY DOWN MOTOR & PICK UP NEW MOTOR. MAKE UP NEW BIT #5 (STC, Mi613, SN JE0003). SCRIBE MOTOR BEND TO MWD.
18:00	4.25	22:15	6	TRIPS	RIH. INSTALL ROTATING RUBBER, FILL STRING @ 4500'. PRECAUTIONARY WASH/REAM LAST 90'.
22:15	0.50	22:45	20	DIRECTIONAL WORK	CIRCULATE, ORIENT & STE UP SPERRY TOOLS.
22:45	2.00	00:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8150-8165'.
00:45	1.75	02:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8165-8188'.
02:30	0.75	03:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8188-8193'.
03:15	0.75	04:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8193-8235'.
04:00	0.50	04:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8235-8240'.
04:30	0.75	05:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8240-8283'.
05:15	0.75	06:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8283-8289'.

#LC Tribal 12H-28-46 fka #16-28-46 8/5/2011 06:00 - 8/6/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8289-8295'.
06:30	1.50	08:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8295-8379'.
08:00	1.75	09:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8379-8393'.
09:45	1.50	11:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8393-8474'.
11:15	2.25	13:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8474-8486'.
13:30	1.50	15:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8486-8569'.
15:00	0.50	15:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
15:30	0.25	15:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8569-8589'.
15:45	0.25	16:00	8	REPAIR RIG	REPLACE O-RING IN MUD LINE UNION.
16:00	0.50	16:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8589-8616'.
16:30	1.25	17:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8616-8631'.
17:45	1.25	19:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8631-8710'.
19:00	1.00	20:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8710-8715'.
20:00	0.75	20:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8715-8758'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
20:45	2.00	22:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8758-8771'.
22:45	0.50	23:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8771-8805'.
23:15	1.25	00:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8805-8820'.
00:30	3.00	03:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8820-8996'.
03:30	1.00	04:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8996-9002'.
04:30	1.00	05:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9002-9066'.
05:30	0.50	06:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9066-9069'.

#LC Tribal 12H-28-46 fka #16-28-46 8/6/2011 06:00 - 8/7/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9069-9078'.
07:00	0.75	07:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9078-9090'.
07:45	1.50	09:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9090-9098'.
09:15	2.00	11:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9098-9185'.
11:15	2.25	13:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9185-9200'.
13:30	2.25	15:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9200-9287'.
15:45	0.25	16:00	5	COND MUD & CIRC	STRING STALLED. PUMP HV SWEEP, CIRCULATE, WORK STRING & ROTATE 80 RPM.
16:00	1.25	17:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9287-9329'. LOST ~1200 FT/LB TORQUE AFTER PUMPING SWEEP.
17:15	1.50	18:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9329-9341'.
18:45	1.25	20:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9341-9376'.
20:00	1.50	21:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9376-9388'.
21:30	3.25	00:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9388-9519'.
00:45	0.50	01:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9519-9524'.
01:15	0.25	01:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9524-9543'.
01:30	0.25	01:45	5	COND MUD & CIRC	PUMP HV SWEEP, CIRCULATE, RECIPROCAT & ROTATE 80 RPM & CLEAN HOLE DUE TO HIGH TORQUE.
01:45	0.75	02:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9543-9566'.
02:30	1.25	03:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9566-9574'. LOST MOTOR DIFFERENTIAL PRESSURE.
03:45	0.50	04:15	20	DIRECTIONAL WORK	TROUBLESHOOT PRESSURE DIFFERENTIAL LOSS.
04:15	1.75	06:00	5	COND MUD & CIRC	PUMP 25 BBL SUPER SWEEP PILL, RECIPROCAT, ROTATE @ 80 RPM & CIRCULATE 2X BOTTOMS UP.

#LC Tribal 12H-28-46 fka #16-28-46 8/7/2011 06:00 - 8/8/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	5	COND MUD & CIRC	CIRCULATE HOLE CLEAN.
06:30	6.50	13:00	6	TRIPS	POH WET TO ~6000', PUMP SLUG & CONTINUE TO POH. HOLE SLICK. LAY DOWN SPERRY TOOLS. BIT COND: 0-0-NO-A-X-I-NO-DTF/TD.
13:00	3.50	16:30	6	TRIPS	PICK UP REAMING ASSEMBLY: BULLNOSE, FLOAT SUB, 6" WATERMELON REAMER, 3 1/2 DP PUP JT, 6" WATERMELON REAMER, 3 1/2 DP. RIH TO 7" SHOE. FILL STRING @ 4000'.
16:30	13.25	05:45	3	REAMING	REAM HORIZONTAL HOLE 6190-9574' @ 350 FPH. RE-REAM PLACES W/1000 FT/LB ABOVE NORMAL ROTATING TORQUE. PP STARTED 93 SPM @ 3450 PSI, ENDED 87 SPM @ 3500 PSI. 100 RPM. TORQUE STARTED @ 3600, ENDED @ 6800 FT/LB. VERY LOW CONNECTION GAS (<450 U) UNTIL 8100', THEN ~2300 U.
05:45	0.25	06:00	5	COND MUD & CIRC	PUMP 25 BBL SUPER SWEEP PILL & CIRCULATE HOLE CLEAN RECIPROCATING & ROTATING 100 RPM.

**#LC Tribal 12H-28-46 fka #16-28-46 8/8/2011 06:00 - 8/9/2011 06:00**

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	5	COND MUD & CIRC	CIRCULATE, RECIPROCAT, ROTATE HOLE CLEAN.
07:15	4.75	12:00	6	TRIPS	DROPPED 2" DRIFT & POH. RECOVER DRIFT & LAY DOWN REAMERS.
12:00	3.25	15:15	11	WIRELINE LOGS	HELD PJSM W/WEATHERFORD LOGGERS & RIG CREW. RIG UP WEATHERFORD MEMORY DP CONVEYED LOGGING TOOLS.
15:15	5.00	20:15	11	WIRELINE LOGS	RIH W/WEATHERFORD E-LOG TO 9566'. PULL UP TO 9440'. HOLE SLICK.
20:15	1.00	21:15	11	WIRELINE LOGS	PUMP DOWN MESSENGER DART & DEPLOY LOGGING TOOLS.
21:15	4.25	01:30	11	WIRELINE LOGS	LOG OUT @ 6 MIN/STAND. NO TIGHT HOLE.
01:30	2.00	03:30	11	WIRELINE LOGS	POH FROM 7" SHOE.
03:30	2.00	05:30	11	WIRELINE LOGS	HELD PJSM W/LOGGERS & RIG DOWN LOGGING TOOLS.
05:30	0.50	06:00	6	TRIPS	PICK UP TANDEM REAMING ASSEMBLY.

#LC Tribal 12H-28-46 fka #16-28-46 8/9/2011 06:00 - 8/10/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	6	TRIPS	RIH W/TANDEM 6" WATERMELON REAMERS TO 7" SHOE.
08:30	10.75	19:15	3	REAMING	REAM LATERAL W/100 RPM, 450 GPM @ 500 FPH.
19:15	1.50	20:45	5	COND MUD & CIRC	CIRC. SUPER SWEEP.
20:45	2.75	23:30	6	TRIPS	TOOH
23:30	6.50	06:00	12	RUN CASING & CEMENT	HSM RIG UP FRANKS CASING AND RUN LINER. FS (1.5'), SHOE JT (42.32), FC (.89'), BALL SEAT (1.26), 1 JT 4 1/2" 11.6# P-110 LTC CASING (42.36), DSI (14.77), 2 JTS CASING (84.70), SWELL PACKER #1 (42.36), 2 JTS (84.72) DSS #1 (13.99), 3 JTS (127.05), SP #2 (42.28) 1 JT (42.28), DSS #2 (13.97), 2 JTS (84.66), SP #3 (42.39) 2 JTS (84.65), DSS #3 (13.98), 2JTS (84.65), SP #4 (42.36), 2JTS (84.71), DSS #4 (13.98), 2 JTS (84.73), SP #5 (42.29), 2 JTS (84.65), DSS #5 (13.98), 2 JTS (84.68), SP #6 (42.31), 2 JTS (84.57), DSS #6 (13.98), 1 JT SP #7 (42.36), 3 JTS (126.92), DSS #7 (13.99), 2 JTS (83.74), SP #8 (14.97), 2 JTS (84.55), DSS #8 (14.97,)2 JTS (84.65), SP #9 (42.33), 2 JTS (84.68), DSS #9 (14.01), 3 JTS (126.36), SP #10 (42.35), 1 JT (42.31), DSS #10 (13.94), 2 JTS (84.66), SP #11 (42.36), 2JTS (82.66), DSS #11 (13.93), 2 JTS (84.66), SP #12 (42.38), 2 JTS (84.59), DSS #12 (13.98), 2 JTS (84.59), SP #13 (42.31), 2 JTS (84.71), DSS #13 13.95), 1 JT (43.35), SP #14 9 42.37), 3 JTS (127.09), DSS#14 (14.04), 2 JTS (84.58), SP #15 (42.32), 4 JTS (169.38) SP #16 (42.35), 18 JTS (758.46), VERSAFLEX LINER HANGER (26.10), SETTING HEAD (7.65), PUP JT (4.94). RIG DN CASIERS

#LC Tribal 12H-28-46 fka #16-28-46 8/10/2011 06:00 - 8/11/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	12	RUN CASING & CEMENT	TIH W/ LINER TO 9557'
10:30	1.00	11:30	5	COND MUD & CIRC	CIRC 2 BOTTOMS UP
11:30	3.75	15:15	12	RUN CASING & CEMENT	HSM, SWAP TO HES, PUMP 71 BLS DIESEL, DISPLACE W/ 102 BLS H2O, DROP BALL F/ LINER HANGER WAIT 30 MINS. EXPAND HANGER TOOK 9,700 PSI. PULL TEST 80,000 OVER, DISPLACE THE REST HOLE W/ CLAY FIX WATER AND BOICIDE.
15:15	8.75	00:00	6	TRIPS	LDDP, TIH, LDDP, TIH, LDDP & DCS.
00:00	5.25	05:15	12	RUN CASING & CEMENT	HSM, RIG UP FRANKS AND RUN. TIE BACK STRING. SEAL ASSEMBLY (1.17), 120 JTS 4 1/2" P110 LT&C CASING (5067.91'), TAG PBR.

#LC Tribal 12H-28-46 fka #16-28-46 8/11/2011 06:00 - 8/12/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	12	RUN CASING & CEMENT	PICK UP CASING SPACE OUT WITH PUP JOINTS AND LAND TEST TO 1000# F/ 10 MINS.
08:30	2.00	10:30	14	NIPPLE UP B.O.P	NIPPLE DN BOP TO PUT IN SNAP RING.
10:30	2.00	12:30	12	RUN CASING & CEMENT	NOT ENOUGH WEIGHT IN PBR PICK UP CASING AND ADD1.7' PUP JOINT. MANDRELL IN WOULD NOT TEST. PICK CHECK CLEAN AND RESET STILL WOULD NOT TEST.
12:30	4.25	16:45	12	RUN CASING & CEMENT	WO O RINGS F/ MANDRAL.
16:45	1.25	18:00	12	RUN CASING & CEMENT	INSTALLOVERSIDED ORINGS. TEST FAILED @ 240 PSI INSTALL SEAL FLANGE. TEST TO 2000# F/ 10 MINS. LOST 20 #. RELEASE RIG @ 18:00 HR 8/11/11.

#LC Tribal 12H-28-46 fka #16-28-46 8/16/2011 06:00 - 8/17/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well head secured and shut in. Construction crews started building and setting up production equipment. Cleared location and set production tanks.

#LC Tribal 12H-28-46 fka #16-28-46 8/17/2011 06:00 - 8/18/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well secured, construction crews are currently building and setting up production equipment.

#LC Tribal 12H-28-46 fka #16-28-46 8/18/2011 06:00 - 8/19/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well secured, construction crews are currently building and setting up production equipment.

#LC Tribal 12H-28-46 fka #16-28-46 8/19/2011 06:00 - 8/20/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well secured, construction crews are currently building and setting up production equipment.

#LC Tribal 12H-28-46 fka #16-28-46 8/20/2011 06:00 - 8/21/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well secured, construction crews are currently building and setting up production equipment.

#LC Tribal 12H-28-46 fka #16-28-46 8/21/2011 06:00 - 8/22/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Construction crews off for the day.	

#LC Tribal 12H-28-46 fka #16-28-46 8/22/2011 06:00 - 8/23/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Construction crews are working on production equipment.	

#LC Tribal 12H-28-46 fka #16-28-46 8/23/2011 06:00 - 8/24/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Construction crews are working on production equipment.	

#LC Tribal 12H-28-46 fka #16-28-46 8/24/2011 06:00 - 8/25/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	12.00	18:00	GOP	General Operations	Cont. Build Production facility	
18:00	12.00	06:00	IWHD	Install Wellhead	ND Night cap. Nipple Up 4 1/16" 10k tbg. head, Frac valve & Night Cap	

#LC Tribal 12H-28-46 fka #16-28-46 8/25/2011 06:00 - 8/26/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Construction crews finished setting up production equipment.	

#LC Tribal 12H-28-46 fka #16-28-46 8/26/2011 06:00 - 8/27/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Cleared and cleaned location, Construction crews have finished building production equipment. LC H1-27-46 installed water heat trace lines in completion pit Installed 8" water transfer lines and place 4" water load out lines to fill completion pit. Placed secondary pit liner over pit for insulation.	

#LC Tribal 12H-28-46 fka #16-28-46 8/27/2011 06:00 - 8/28/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut it and secured, Set flow back tanks and storage tanks. Built containment berms around tanks. Filling completion pit on the LC- H1-27-46 with fresh water.	


#LC Tribal 12H-28-46 fka #16-28-46 8/28/2011 06:00 - 8/29/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, No completion work took place today.

#LC Tribal 12H-28-46 fka #16-28-46 8/29/2011 06:00 - 8/30/2011 06:00

API/UWI 43-013-33631	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and Secured. No completion Activity. Continuing to fill completion pit on the LC 1H-27-46, off loaded 4500' of 12" poly line on H1 staging area.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 12H-28-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/25/2011		
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well had first gas sales on 9/25/2011 and first oil sales on 9/26/2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 9/29/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 12H-28-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the September 2011 monthly drilling activity report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 10/5/2011	

**LC Tribal 12H-28-46 fka 16-28-46 9/2/2011 06:00 - 9/3/2011 06:00**

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	WSI And Secured. Western Pump Fusing Poly On LC HI Location

LC Tribal 12H-28-46 fka 16-28-46 9/3/2011 06:00 - 9/4/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Fusing Poly, First Run From LC 1H To 13H Access In Place

LC Tribal 12H-28-46 fka 16-28-46 9/9/2011 06:00 - 9/10/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Set 10 Frac tanks on location. Continued filling completion pit on the LC 1H-27-46. Off load 8" road crossing.

LC Tribal 12H-28-46 fka 16-28-46 9/11/2011 06:00 - 9/12/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Install Road Crossings From 1H To 12H, Start Rigging Up Fill Manifold For Frac Line. Rig-Up Fall Protection On Frac Line, Truck In KCL Slurry, Delso Begin Rigging Up Flowback. Spot 6 Tanks On 1H And Start Loading With KCL Slurry.

LC Tribal 12H-28-46 fka 16-28-46 9/12/2011 06:00 - 9/13/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Rig-Up Fill Manifold For Slurry Tanks, Fill Fresh Tanks Thru Poly From 1H Pad (Average Bpm Was 50 Bpm For Fill), N/U 4" 10K Frac Valve And Flow Cross, Test Upper Valve And Cross To 8500#. Finish Rigging Up FlowBack, Test To 5000#.

LC Tribal 12H-28-46 fka 16-28-46 9/18/2011 06:00 - 9/19/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Move In And Rig Up HES Frac Equipment, Con't Heating Fresh Water Pit To Maintain 85 Degrees, Rig Up Ball Dropper Trailer

LC Tribal 12H-28-46 fka 16-28-46 9/19/2011 06:00 - 9/20/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	HES Frac Crew On Location @ 05:00. Service, And Start Equipment. Run Quality Control Checks On Chemicals, Sand, And Fluid. Prime - Up Chemical Pumps And HHP. Pressure Test Pumps And Iron To 9000#. BackSidePump To 4000#.
07:00	0.50	07:30	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.
07:30	0.17	07:40	PTST	Pressure Test	Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 2200#. Will Maintain Around 2500# During Fracs. Equalize. SICP- 0#.
07:40	1.42	09:05	FRAC	Frac. Job	Drop 1.625" DSI Shifting Ball, And Displace At 20 bpm, To 1000 Gallons Before DSI. Slowed Rate To 10 Bpm. Shifted DSI @ 9462', At 4325 Psi. (+ 200 Gallons Casing Volume). Had To ShutDown And Reboot Blender In Pad, Went 8500 Gals. Over Vol., Pump 21# Hybor G Frac Into Interval #1, 17,900 # Short Of Designed Volume. ISIP- 2180#, 0.82 Frac Gradient, Pumped 23600 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 92000 # 20/40 Premium White Sand In 3 Sand Stages (2.0#, 2.5#, 3.0#). Pumped 2289 Bbls BWTR. 92,610 Gals. Clean Fluid. Avg. Rate 50.2 Bpm Avg. Pressure 5243 Psi. Drop 1.875" Shifting Ball, And Displace Ball @ 20 bpm To 1000 gallons Before DSS. Slow Rate To 10 bpm. No Shift Was Seen, S/D, Drop 1.875" Ball Into WellHead, Displace Down Again, No Definitive Shift Seen At DSS @ 9236'.
09:05	2.08	11:10	FRAC	Frac. Job	Pump 21# Hybor G Frac Into Interval #2, As Designed. ISIP- 1236#, 0.65 Frac Gradient, Pumped 31300 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 151400 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 3099 Bbls BWTR. 124,335 Gals. Clean Fluid. Avg. Rate 50.1 Bpm Avg. Pressure 3932 Psi. Drop 2.0" Shifting Ball, And Displace Ball @ 20 bpm To 700 gallons Before DSS. Slow Rate To 10 bpm, Did Not See Shift, S/D, Loaded Ball In WellHead, Displace Again In Same Fashion, Did Not See Shift, Started Pad, 4500 Gals. Into., Shifted DSS @ 9010' At 5867 Psi., 50 Bpm (+ 13385 Gallons Casing Volume).
11:10	1.83	13:00	FRAC	Frac. Job	Pump 21# Hybor G Frac Into Interval #3, As Designed. ISIP- 1658#, 0.73 Frac Gradient, Pumped 28000 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 133400 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2862 Bbls BWTR. 115,191 Gals. Clean Fluid. Avg Rate 50.1 Bpm Avg. Pressure 4234 Psi. Drop 2.0" Shifting Ball, And Displace Ball @ 20 bpm To 500 gallons Before DSS. Slow Rate To 10 bpm. Shifted DSS @ 8785' At 3535 Psi. (Casing Volume).
13:00	1.00	14:00	FRAC	Frac. Job	Pump 21# Hybor G Frac Into Interval #4, As Designed. ISIP- 3437#, 0.85 Frac Gradient, Pumped 28000 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 133600 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2584 Bbls BWTR. 102,554 Gals. Clean Fluid. Avg Rate 50.4 Bpm Avg. Pressure 4456 Psi. Drop 2.0" Shifting Ball, And Displace Ball @ 20 bpm To 1000 gallons Before DSS. Slow Rate To 10 bpm. Shifted DSS @ 8559' At 3895 Psi. (- 100 Gallons Casing Volume).
14:00	0.84	14:50	FRAC	Frac. Job	Pump 21# Hybor G Frac Into Interval #5, As Designed. ISIP- 2332#, 0.84 Frac Gradient, Pumped 26900 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 127300 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2507 Bbls BWTR. 99,724 Gals. Clean Fluid. Avg Rate 50.3 Bpm Avg. Pressure 4600 Psi. WSI And Secured.
14:50	15.16	06:00	LOCL	Lock Wellhead & Secure	Western Pump Topped Off Fresh Water Frac Tanks, From 1H Pit. Crew Travel To Vernal. Brady Trucking Refilling Mountain Movers. RNI Hauling In Fresh Water To Pit, KCL Slurry To KCL Slurry Tanks On Location, D&M Heating Pit To 85 Degrees. WSI And Secured OverNight.

LC Tribal 12H-28-46 fka 16-28-46 9/20/2011 06:00 - 9/21/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	GOP	General Operations	HES Frac Crew On Location @ 05:00. Service, And Start Equipment. Run Quality Control Checks On Chemicals, Sand, And Fluid. Prime - Up Chemical Pumps And HHP. Pressure Test Pumps And Iron To 9000#. BackSidePump To 4000#.
06:30	0.42	06:55	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE. SICP - 500#'s. Pressure Up 4.5 X 7 Annulus To 2600#'s, Equalize, Open Upto Well.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:55	1.08	08:00	FRAC	Frac. Job	Drop 2.375" DSS Shifting Ball, And Displace At 20 bpm, To 500 Gallons Before DSS. Slowed Rate To 10 Bpm. Shifted DSS @ 8333', At 3407 Psi. (+ 100 Gallons Casing Volume). Frac Into Interval #6 With Hybor G 21# System As Designed. Pumped 26800 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 127400 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2524 Bbls BWTR. 100,714 Gals. Clean Fluid. Avg. Rate 50.4 Bpm Avg. Pressure 4488 Psi. Drop 2.5" Shifting Ball, And Displace Ball @ 50 bpm To 1000 gallons Before DSS. Slow Rate To 10 bpm, Shifted DSS @ 8108' At 3378 Psi (+ 5200 Gallons Casing Volume).
08:00	1.00	09:00	FRAC	Frac. Job	ISIP - 2307 Psi, .84 F.G.. Frac Into Interval #7 With Hybor G 21# System As Designed. Pumped 22400 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 101800 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2289 Bbls BWTR. 81,563 Gals. Clean Fluid. Avg. Rate 50.5 Bpm Avg. Pressure 4394 Psi. Drop 2.625" Shifting Ball, And Displace Ball @ 50 bpm To 500 gallons Before DSS. Slow Rate To 10 bpm, Saw No Shift, 2000 Gals. Over Volume. ISDP - 1734 Psi, .74 F.G.. Drop Ball In Frac Tree, Saw First Ball Hit When Bringing Rate On, Shifted DSS @ 7882' At 3335 Psi (+ 2050 Gallons Casing Volume).
09:00	1.59	10:35	FRAC	Frac. Job	Frac Into Interval #8 With Hybor G 21# System As Designed. Pumped 31200 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 151200 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2827 Bbls BWTR. 112,064 Gals. Clean Fluid. Avg. Rate 50.3 Bpm Avg. Pressure 4294 Psi. Drop 2.75" Shifting Ball, And Displace Ball @ 50 bpm To 500 gallons Before DSS. Slow Rate To 10 bpm, Shifted DSS @ 7657' At 4125 Psi (+ 350 Gallons Casing Volume). Down 30 Min. Waiting On Sand To Be Off Loaded.
10:35	1.08	11:40	FRAC	Frac. Job	ISIP - 2138 Psi., .81 F.G..Frac Into Interval #9 With Hybor G 21# System. Pumped 26800 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 104800 # 20/40 Premium White Sand In 3 Sand Stages (2.0#, 2.5#, 3.0#), Cut Sand Short 22,550#, Did Not Go To 3.5#, Due To Net Increase. Pumped 2329 Bbls BWTR. 93,703 Gals. Clean Fluid. Avg. Rate 50.4 Bpm Avg. Pressure 4253 Psi. Drop 2.875" Shifting Ball, And Displace Ball @ 50 bpm, Dropped Ball Late Making Sure Flush Was Achievable To 500 gallons Before DSS. Slow Rate To 10 bpm, Shifted DSS @ 7431' At 4114 Psi (+ 330 Gallons Casing Volume).
11:40	1.00	12:40	FRAC	Frac. Job	ISIP - 2149 Psi., .81 F.G..Frac Into Interval #10 With Hybor G 21# System As Designed. Pumped 31300 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 151800 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2728 Bbls BWTR. 108,664 Gals. Clean Fluid. Avg. Rate 50.6 Bpm Avg. Pressure 3517 Psi. ISDP - 2303 Psi., .84 F.G.. WSI And Secured.
12:40	17.33	06:00	LOCL	Lock Wellhead & Secure	Western Pump Topped Off Fresh Water Frac Tanks, From 1H Pit. Crew Travel To Vernal. Brady Trucking Refilling Mountain Movers. RNI Hauling In Fresh Water To Pit, KCL Slurry To KCL Slurry Tanks On Location, D&M Heating Pit To 85 Degrees. WSI And Secured OverNight.

LC Tribal 12H-28-46 fka 16-28-46 9/21/2011 06:00 - 9/22/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	GOP	General Operations	HES Frac Crew On Location @ 05:00. Service, And Start Equipment. Run Quality Control Checks On Chemicals, Sand, And Fluid. Prime - Up Chemical Pumps And HHP. Pressure Test Pumps And Iron To 9000#. BackSidePump To 4000#.
06:30	0.17	06:40	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE. SICP - 640#'s. Pressure Up 4.5 X 7 Annulus To 2600#'s, Equalize, Open Upto Well.
06:40	1.59	08:15	FRAC	Frac. Job	Drop 3.0" DSS Shifting Ball, And Displace At 20 bpm, To 500 Gallons Before DSS. Slowed Rate To 10 Bpm. Shifted DSS @ 7205', At 3233 Psi. (- 100 Gallons Casing Volume). Frac Into Interval #11 With Hybor G 21# System As Designed. Pumped 22500 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 102900 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2142 Bbls BWTR. 86,058 Gals. Clean Fluid. Avg. Rate 50.5 Bpm Avg. Pressure 3920 Psi. Drop 3.125" Shifting Ball, And Displace Ball @ 50 bpm To 1000 gallons Before DSS. Slow Rate To 10 bpm, Shifted DSS @ 6980' At 4945 Psi (+ 450 Gallons Casing Volume). Down 45 Min. To Fix Tub Leveling System On Blender.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
08:15	1.25	09:30	FRAC	Frac. Job	ISIP - 2752 Psi, .92 F.G.. Frac Into Interval #12 With Hybor G 21# System As Designed. Pumped 27000 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 126500 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2412 Bbls BWTR. 94,918 Gals. Clean Fluid. Avg. Rate 50.5 Bpm Avg. Pressure 3936 Psi. Drop 3.280" Shifting Ball, And Displace Ball @ 50 bpm To 500 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 6754' At 3972 Psi (+ 500 Gallons Casing Volume).
09:30	1.50	11:00	FRAC	Frac. Job	ISIP - 2769 Psi, .92 F.G.. Frac Into Interval #13 With Hybor G 21# System As Designed. Pumped 27000 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 127200 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2473 Bbls BWTR. 97,070 Gals. Clean Fluid. Avg. Rate 49.5 Bpm Avg. Pressure 4263 Psi. Drop 3.443" Shifting Ball, And Displace Ball @ 50 bpm To 500 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 6529' At 4044 Psi (+ 400 Gallons Casing Volume). Down 40 Min. Transferring Chemicals, Change Out Cable And Mag Pick-Up On Blender Discharge FlowMeter.
11:00	1.67	12:40	FRAC	Frac. Job	ISIP - 1928 Psi, .77 F.G.. Frac Into Interval #14 With Hybor G 21# System As Designed. Pumped 22400 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 102300 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2128 Bbls BWTR. 82,413 Gals. Clean Fluid. Avg. Rate 50.7 Bpm Avg. Pressure 4461 Psi. Drop 3.615" Shifting Ball, And Displace Ball @ 50 bpm To 500 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 6303' At 3566 Psi (+ 400 Gallons Casing Volume). Down 55 Min. OffLoading Last Load Of Sand, And Tearing Down Blender Discharge FlowMeter(Piece Of Plastic In It).
12:40	0.91	13:35	FRAC	Frac. Job	ISIP - 2303 Psi, .84 F.G.. Frac Into Interval #15 With Hybor G 21# System As Designed. Pumped 30060 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 154660 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#, 3.0#, 3.5#). Pumped 2758 Bbls BWTR. 107,471 Gals. Clean Fluid. Avg. Rate 50.7 Bpm Avg. Pressure 3555 Psi. ISDP - 2823 Psi, .93 F.G.. WSI And Secured, Bleed Pressure Off Annulus.
13:35	3.00	16:35	SRIG	Rig Up/Down	Western Pump BlowDown Poly Line From 1H, R/D Aluminum Off Frac Line. RD And MOL HES Frac Equipment. Bottom Out Fresh And Slurry Tanks, Batch Four 3% KCL Tanks For CTU.
16:35	13.41	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, Finish Bottoming And Batching Tanks.

LC Tribal 12H-28-46 fka 16-28-46 9/22/2011 06:00 - 9/23/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	GOP	General Operations	Coil Tubing Services crew arrived @ 05:00, spotted in coil unit and crane, 625 psi on the well. Safety meeting with coil crew, reviewed JSA. Rigged up crane, P/up injector head, Rigged up pump truck and hard line, Filled reel with 3% KCL. Made up 2" coil connector, pressure tested connector to 2500 psi, good test, pull tested coil connector 25,000#, made up disconnect sub & Circ sub & 2.875" CTD Motor assembly and 3.75" 4 blade mill. Function tested motor and mill. Connected lub, pressured tested lub to 3000 psi, good test. Open well and started in the hole.
07:30	1.00	08:30	TRIP	Tripping	RIH with 2" coil, started pump rate @ 1.0 bpm. Completed weight checks @ 3000' and 5000', Continued to RIH with coil and tag Stim sleeve @ 6303'.
08:30	2.00	10:30	RUTB	Run Tubing	Tagged stim sleeve @ 6303', increase pump rate to 2.25 bpm, open well to 30/64" choke, maintaining 3.0 bpm in returns with 420 psi on the wellhead. Drilled on Stim Sleeves for over 1.5 hours, unable to drill through with 4.3/4" bit, called Denver reviewed options, Decision was made to Pooh and check mill.
10:30	1.50	12:00	TRIP	Tripping	Pooh with coil.
12:00	0.25	12:15	GOP	General Operations	Secured BHA in lub, secured wellhead, Bled off pressure. Disconnected lub, 3.75' junk mill was missing all of it's kutrite. Swap out mill from 3.75" to 3.701". installed lub, Retested lub to 3000#, good test, open well started back in the hole.
12:15	0.75	13:00	TRIP	Tripping	RIH with 2" coil and drill out BHA, @ 6100' increase pump rate to 2.25' bpm. open well to 30/64" choke, Total bbls pumped 480 bbls.
13:00	3.00	16:00	GOP	General Operations	Tagged Stim sleeve @ 6304', started drilling on sleeve with 3000# down on mill. tagged solid @ 6305', with 4000# on the mill, continued milling on sleeve section @ 6306', ran out of coil cycles, Pooh with 2" coil and BHA.
16:00	2.50	18:30	TRIP	Tripping	Pooh with 2" Coil and BHA at 70' fpm seen slight drag on coil. Secured BHA in the lub, disconnected lub,, found the 3.701 mill was wear down. Called Denver to inform them of the condition of the mill. broke apart BHA and had to cut off 150' 2" coil.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:30	1.00	19:30	TRIP	Tripping	Reconnected coil connector and pull tested to 25,000#, good test. M/up 2.875" flow through valve and wash nozzle. Re Pressure tested lub connection to 3000 psi. RIH with wash nozzle assembly.
19:30	1.00	20:30	CLN	Clean Out Hole	RIH with wash nozzle, Tagged @ 6306' adjusted depth for new tool length. Pulled up 1' off bottom and broke circulation @ 3 bpm with full returns. Pumped a 50 bbls polymer sweep @ 3 bpm continued to circulate 1.5 times the casing volume. Installed a inline sample catcher, Seen fine piece's of kutrite and metal shaving. Fluids returns clean up good. Shut in well and started to pull out of the hole with coil tbg.
20:30	1.00	21:30	TRIP	Tripping	Pooh with 2" coil and wash nozzle.
21:30	1.25	22:45	CLN	Clean Out Hole	L/D Wash nozzle and P/up 3.652" WP shoe and junk catcher assembly plus 2.875" index tool, RIH with junk catcher assembly, started pump rate @ 3.0 bpm with 3.0 bpm in returns. Worked junk catcher and index tool down on Stim sleeve multiple times, setting down 3000# to 4000# each time, Increase pump rate to 3.5 bpm to increase vortex flow in junk catcher.
22:45	2.50	01:15	TRIP	Tripping	Pooh with Weatherford junk catcher BHA, secured tools lub, secured wellhead, bled off pressure on lub, broke apart junk catcher, found no piece's of kutrite or metal shaving. Called Denver to review options, will reevaluate options in the morning.
01:15	4.75	06:00	LOCL	Lock Wellhead & Secure	Secured well head for the night.

LC Tribal 12H-28-46 fka 16-28-46 9/23/2011 06:00 - 9/24/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Current Well pressure, 420 psi, Waiting on crew to arrive.
07:00	2.25	09:15	GOP	General Operations	Coil tbg crew arrived on location, Safety meeting with coil crew. Crew fired up coil tbg equipment. P/up injector head, Made up new tool assembly, 1- 2.875" Coil Connector. 1-2.875" disconnect sub. 1-2.875" Motor 1-2.875" XO sub 1-3.75" Venturi Basket. 1-3.5" XO sub. 1-3.625" top sub. 1-3.625" WP Shoe, Rigged up lubricator, pressure tested tools to 2500 psi, good test. Open well and started in the hole.
09:15	1.00	10:15	TRIP	Tripping	RIH with junk catcher assembly. open well to flow back, engaged pumps and increased rate to .25 bpm, with .25 bpm in returns. completed weight checks @ 4000' and 5000', At 5100', increase pump rate to 1.0 bpm and opened flow to 1 bpm. with good returns. pumped 20 bbls gel sweep.
10:15	1.00	11:15	CLN	Clean Out Hole	Tagged top of sleeve section @ 6300', attempted to work through sleeve section motor torque up several times while working through sleeve section. Torque freed up and coil was able to work through sleeve section with neutral coil weight. made 10' of hole. stopped @ 6310' circulated volume to heel section. Started pulling tbg coil out of the hole.
11:15	1.00	12:15	TRIP	Tripping	Tripped coil tbg out of the hole, secured BHA in lubricator. disconnected lub, broke apart junk catcher. found chunk of kutrite and composite material. Called and discuss with Denver, Decision was made to RIH with new mill assembly.
12:15	1.00	13:15	GOP	General Operations	Made up new Mill assmebly, and started in the hole.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
13:15	4.25	17:30	DOPG	Drill Out Plugs	RIH with coil tbg and Drill out assembly, Weight checks @ 4000', 5000', 6000', increase pump rate 1.5 bpm, with 2.5 bpm in returns. Ran through stim sleeve @ 6303' did not see any tight spots. continued to run in the hole and tagged Stim Sleeve #2 @ 6530' pump rate 1.5 bpm, with 2.5 bpm in return, RIH and Tagged Sleeve #3 @ 6761', drilled out sleeve within 15 minutes. 250 psi on the well head, with 2.5 bpm in returns. pumped 10 bbl gel sweep. Continued to clean and condition hole to next sleeve, tagged sleeve #4 @ 6986', 250 psi on the well, drilled through #4 sleeve in 15 minute. flow rate in returns are 3 bpm, continued to RIH to #5 sleeve @ 7213'. pumped 10 bbl sweep. drilled through sleeve in 9 minutes. RIH and tag #6 Sleeve @ 7437', pulled up the 5350' @ 50' fpm to wipe lateral section. completed sweep, RIH and tagged stim sleeve #6 @ 7437', drilled through sleeve in 8 minutes, pumped a 10 bbls gel sweep, RIH with 2" and BHA, continuing pump @ 2.5 bpm, Tagged Sleeve #7 @ 7657' Drilled through in 12 minutes. pumped sweep, well head pressure increase to 400 psi with 2.5 bpm with heavy sand in our returns. RIH to #8 Stim Sleeve @ 7885', Drilled up in 15 minutes, pumped 10 bbl sweep, well head pressure 400 psi RIH to #9 Stim Sleeve @ 8112', Drilled through in 7 minutes. pumped 10 bbl sweep RIH and tagged #10 Stim Sleeve @ 8338'. drilled through Stim Sleeve in 14 minute, pumped 20 bbl sweep, RIH and Tagged Stim Sleeve #11 @ 8563, Pooh @ 40' fpm to 5350' wiper trip.
17:30	2.00	19:30	TRIP	Tripping	18:33 tag time. made wiper trip, pulled coil to 5350' @ 40' fpm.
19:30	2.00	21:30	DOPG	Drill Out Plugs	RIH to Stim Sleeve #11 tagged @ 8563', pumped 20 bbl sweep. Drilled through in 12 minutes. wellhead pressure 300 psi. return rate @ 3.0 bpm. RIH to Stim Sleeve #12 @ 8783', drilled through sleeve in 6 minutes. Well head pressure @ 320 psi. pump a 10 bbl sweep, continued to RIH to Stim Sleeve #13 tag @ 9008'. wellhead pressure @ 300 psi, Drilled out Stim Sleeve in 6 minutes, Wellhead pressure @ 300 psi, return rate @ 3 bpm. RIH to Stim Sleeve #14, tagged @ 9235', Wellhead pressure @ 300 psi, started drilling on Stim Sleeve, drilled on sleeve for over an hour. Discuss with Denver about unable to drill through sleeve, decision was made to suspend the final sleeve @ 9235', Pumped gel sweep and work coil tubing from 9235' to 9000' pumping at 2 bpm. pumped bottom up volume.
21:30	1.00	22:30	CLN	Clean Out Hole	Circulated bottoms up. while working coil from 9250' to 9000' pumping @ 2 bpm with 3 bpm in returns.
22:30	1.50	00:00	TRIP	Tripping	Pooh with 2" coil and BHA @ 30' fpm through the lateral section
00:00	1.50	01:30	GOP	General Operations	Secured tools in lub, shut in well and bled off pressure. L/D tools, reconnected lub, blew reel dry. R/D lubricator and injector head. RDMO CTS. turned well back over to flow testers and opened well on a 24/64 choke.
01:30	4.50	06:00	FBCK	Flowback Well	Open well on 30/64" choke, with 450 psi on the well.

LC Tribal 12H-28-46 fka 16-28-46 9/24/2011 06:00 - 9/25/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	FBCK	Flowback Well	Continued to flow well back through sand trap and open top tanks @ 2 bpm with 300 psi on a 30/64" choke. Turn well over to production at noon. Staredt moving Frac tanks off of location. down to the LC 13H-21-46. Total water load to recover 39,562 bbl. As of 06:00, Flowback TO Production est equip and blow sand trap to open top. As of 05:30 Choke 30/64 CSG P-325 BOPH- 6.5 BWPH-87 BORL24hr- 118 BWRL24hr-1569 MCF- Flard BWLTR-35,226 Total Oil-118 Total water- 4336 2% oil, 97% water. Trace sand

LC Tribal 12H-28-46 fka 16-28-46 9/25/2011 06:00 - 9/26/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status Released for Work	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	FBCK	Flowback Well	As of 06:00, Flowback to production equip and blowing down sand trap to open top. As of 05:30 Choke 30/64 CSG P-300 BOPH- 18 BWPH- 63.7 BORL24hr- 434 BWRL24hr-1529 MCF- 120 BWLTR- 33,697 Total Oil- 552 Total water- 5865 28% oil, 72% water. Trace sand

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6109
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 12H-28-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 November 2011 Monthly Drilling Report attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 12/5/2011	


LC Tribal 12H-28-46 fka 16-28-46 11/28/2011 06:00 - 11/29/2011 06:00

API/UWI 43-013-33631	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 9,574.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	Open to Production
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	2.50	10:00	WKLL	Kill Well	Kill Well. ND Production Tree, NU BOP & Annular.
10:00	0.50	10:30	SRIG	Rig Up/Down	RU work floor & Tbg. equip.
10:30	6.00	16:30	TRIP	Tripping	Pull Hanger & Rita cable, RU GE sheeve to pull cable, TOO H, Lay down Submersable pump.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	SDFN, Csg. open to production.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6429
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 12H-28-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1834 FSL 0344 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 28 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013336310000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/28/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
OTHER: <input style="width: 100px;" type="text" value="Lease Number"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 20px;"> <p>The lease number has been updated to 1420H626429.</p> <div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>June 29, 2012</p> </div> </div>		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 6/28/2012	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

CONFIDENTIAL

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

2. Name of Operator
BILL BARRETT CORPORATION Contact: MEGAN FINNEGAN
E-Mail: mfinnegan@billbarrettcorp.com

3. Address 1090 18TH STREET SUITE 2300
DENVER, CO 80202 3a. Phone No. (include area code)
Ph: 303-298-8949

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NESE 1834FSL 344FEL
At top prod interval reported below NESE 1789FSL 1008FEL
At total depth NWSW 1832FSL 939FWL BHL by HSM

5. Lease Serial No.
1420H626109

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
LC TRIBAL 12H-28-46 ✓

9. API Well No.
43-013-33631

10. Field and Pool, or Exploratory
ALTAMONT

11. Sec., T., R., M., or Block and Survey
or Area Sec 28 T4S R6W Mer UBM

12. County or Parish
DUCHESSNE 13. State
UT

14. Date Spudded
07/07/2011 15. Date T.D. Reached
08/07/2011 16. Date Completed
☐ D & A ☒ Ready to Prod.
09/25/2011

17. Elevations (DF, KB, RT, GL)*
7254 GL

18. Total Depth: MD 9574
TVD 5760 19. Plug Back T.D.: MD 9521
TVD 6755 5760 20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL, GAMMA RAY, MUD

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
24.000	16.000 COND	85.0	0	104	104			0	
12.250	9.625 J-55	36.0	0	1505	1501	700	166	0	
8.750	7.000 P-110	23.0	0	6190	6184	670	230	2302	
6.250	4.500 P-110	11.6	0	9574	9566				

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	5104							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	6303	9485	6303 TO 9485			SLOTTED SLEEVES
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6303 TO 9485	GREEN RIVER: SEE TREATMENT STAGES 1 -15

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/25/2011	09/29/2011	24	→	671.0	366.0	830.0	52.0		FLows FROM WELL
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64		350.0	→	671	366	830	545	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

RECEIVED

AUG 30 2012

Div. of Oil, Gas & Mining

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #121863 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Fwng. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Fwng. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD
30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER MAHOGANY DOUGLAS CREEK BLACK SHALE CASTLE PEAK UTELAND BUTTE CR1 TD	1954 2489 4481 5251 5367 5876 6009 9574

32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. First gas sales was on 9/25/2011. First oil sales was on 9/26/2011. Conductor was cemented with grout. Attached is Treatment Data. Production liner was not cemented. Stimulation sleeves were used to complete well, attached is swell packer and stimulation sleeve placement data.

Pilot Hole TD is at 6172' MD, 6170' TVD. A cement plug was set from 4869' to 5280'. The Kick off Point to begin drilling the lateral was at 5280'.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #121863 Verified by the BLM Well Information System.
 For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) MEGAN FINNEGAN

Title PERMIT ANALYST

Signature  (Electronic Submission)

Date 11/01/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #121863 that would not fit on the form

32. Additional remarks, continued

Tubing was set 10/10/2011 after the production test date. Ther is no tubing pressure for the test date that was taken on 9/29/2011.

Prickly Pear Unit Federal 15-8D-12-15 Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>Bbls Slurry</u>	<u>lbs 20/40 White Sand</u>	<u>lbs Common 100Mesh</u>
1	2,195	92,000	23,600
2	3,156	151,400	31,300
3	2,918	133,400	28,000
4	2,614	133,600	28,000
5	2,539	127,300	26,900
6	2,564	127,400	26,800
7	2,076	101,800	22,400
8	2,866	151,200	31,200
9	2,373	104,800	26,800
10	2,785	151,800	31,300
11	2,320	102,900	22,500
12	2,426	126,500	27,000
13	2,477	127,200	27,000
14	2,095	102,300	22,400
15	2,758	154,660	30,060

*Depth intervals for frac information same as perforation record intervals.

Company: Bill Barrett Corporation
State: Utah
Well Name: LC Tribal 12H-28-46

Date: 8/8/2011
County: Duchesne

DESCRIPTION	DEPTH	
	BOTTOM	TOP
DSI	9474.67	9459.9
Swell Packer #1	9375.2	9332.84
DSS #1	9248.12	9234.13
Swell Packer #2	9107.08	9064.8
DSS #2	9022.52	9008.55
Swell Packer #3	8923.89	8881.5
DSS #3	8796.85	8782.87
Swell Packer #4	8698.22	8655.86
DSS #4	8571.15	8557.17
Swell Packer #5	8472.44	8430.15
DSS #5	8345.5	8331.52
Swell Packer #6	8246.84	8204.53
DSS #6	8119.96	8105.98
Swell Packer #7	8063.61	8021.25
DSS #7	7894.33	7880.34
Swell Packer #8	7796.6	7754.25
DSS #8	7669.7	7654.73
Swell Packer #9	7570.08	7527.75
DSS #9	7443.07	7429.06
Swell Packer #10	7302.12	7259.77
DSS #10	7217.46	7203.52
Swell Packer #11	7118.86	7076.5
DSS #11	6991.84	6977.91
Swell Packer #12	6893.25	6850.87
DSS #12	6766.28	6752.3
Swell Packer #13	6667.61	6625.3
DSS #13	6540.59	6526.64
Swell Packer #14	6484.29	6441.92
DSS #14	6314.83	6300.79
Swell Packer #15	6216.21	6173.89
Swell Packer #16	6004.51	5962.16

Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 28-T4S-R6W

LC Tribal #12H-28-46

Plan A Rev 2 (Lateral)

Survey: Sperry MWD Surveys (Lateral)

Sperry Drilling Services Standard Report

12 August, 2011

Well Coordinates: 645,570.26 N, 2,263,231.45 E (40° 06' 07.07" N, 110° 33' 32.24" W)

Ground Level: 7,253.00 ft

Local Coordinate Origin:

Centered on Well LC Tribal #12H-28-46

Viewing Datum:

RKB 24' @ 7277.00ft (H&P 319)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 431

HALLIBURTON

Survey Report for LC Tribal #12H-28-46 - Sperry MWD Surveys (Lateral)

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tie-On							
137.00	0.95	266.75	136.99	-0.06	-1.13	1.13	0.69
First Sperry MWD Survey(Pilot Hole) @ 137.00 ft							
200.00	0.73	262.25	199.99	-0.15	-2.05	2.05	0.36
262.00	0.24	315.20	261.98	-0.11	-2.54	2.54	0.99
355.00	0.37	355.60	354.98	0.33	-2.70	2.70	0.26
439.00	0.45	328.38	438.98	0.88	-2.89	2.89	0.25
531.00	0.43	299.75	530.98	1.36	-3.38	3.37	0.24
622.00	0.24	257.39	621.98	1.49	-3.86	3.86	0.33
714.00	0.24	215.98	713.98	1.29	-4.16	4.16	0.18
806.00	0.35	161.55	805.98	0.87	-4.19	4.18	0.31
897.00	0.37	179.16	896.97	0.31	-4.09	4.09	0.12
988.00	0.38	193.70	987.97	-0.28	-4.16	4.16	0.10
1,079.00	0.48	231.17	1,078.97	-0.81	-4.53	4.53	0.32
1,171.00	0.43	266.10	1,170.97	-1.08	-5.17	5.18	0.30
1,262.00	0.42	276.14	1,261.96	-1.06	-5.85	5.85	0.08
1,356.00	0.47	244.78	1,355.96	-1.19	-6.54	6.54	0.26
1,444.00	0.67	265.23	1,443.96	-1.39	-7.38	7.38	0.32
1,554.00	1.01	276.60	1,553.95	-1.33	-8.98	8.99	0.34
1,648.00	1.00	322.28	1,647.93	-0.59	-10.31	10.31	0.83
1,742.00	1.28	11.05	1,741.92	1.09	-10.61	10.60	1.04
1,836.00	1.05	335.30	1,835.90	2.91	-10.77	10.76	0.80
1,931.00	1.29	309.99	1,930.88	4.39	-11.95	11.93	0.59
2,025.00	0.36	351.37	2,024.87	5.36	-12.80	12.79	1.11
2,119.00	0.40	44.85	2,118.87	5.88	-12.62	12.60	0.37
2,214.00	0.85	81.68	2,213.86	6.22	-11.69	11.66	0.61
2,308.00	1.20	86.90	2,307.85	6.37	-10.01	9.99	0.38
2,402.00	0.36	78.17	2,401.84	6.49	-8.74	8.72	0.90
2,496.00	0.86	113.27	2,495.83	6.27	-7.80	7.78	0.64
2,590.00	0.81	56.35	2,589.82	6.36	-6.60	6.58	0.85
2,685.00	1.46	53.65	2,684.80	7.45	-5.07	5.04	0.69
2,779.00	1.15	27.74	2,778.78	8.99	-3.67	3.63	0.70
2,873.00	0.81	355.32	2,872.77	10.49	-3.28	3.25	0.68
2,968.00	0.64	39.06	2,967.76	11.57	-3.00	2.96	0.59
3,062.00	0.50	27.58	3,061.75	12.34	-2.48	2.44	0.19
3,156.00	0.86	350.27	3,155.75	13.40	-2.41	2.36	0.59
3,250.00	0.69	327.59	3,249.74	14.57	-2.83	2.78	0.37
3,345.00	0.28	0.62	3,344.74	15.29	-3.14	3.08	0.51
3,439.00	1.07	96.69	3,438.73	15.42	-2.26	2.21	1.21
3,533.00	0.75	92.58	3,532.72	15.29	-0.78	0.72	0.35
3,627.00	0.41	84.81	3,626.71	15.29	0.17	-0.23	0.37
3,722.00	1.14	77.18	3,721.70	15.53	1.43	-1.49	0.77
3,816.00	0.65	91.37	3,815.69	15.72	2.88	-2.93	0.57
3,910.00	0.33	100.09	3,909.69	15.66	3.68	-3.73	0.35
4,005.00	0.71	73.34	4,004.69	15.78	4.51	-4.56	0.46
4,099.00	0.28	106.37	4,098.68	15.89	5.29	-5.34	0.53
4,193.00	0.65	126.04	4,192.68	15.51	5.94	-5.99	0.42
4,287.00	1.12	60.53	4,286.67	15.65	7.17	-7.23	1.10
4,382.00	1.08	11.31	4,381.65	16.98	8.16	-8.21	0.97

Survey Report for LC Tribal #12H-28-46 - Sperry MWD Surveys (Lateral)

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4,476.00	1.09	336.82	4,475.64	18.67	7.98	-8.04	0.68
4,570.00	0.92	336.09	4,569.62	20.18	7.32	-7.39	0.18
4,664.00	0.48	355.72	4,663.62	21.27	6.98	-7.06	0.53
4,759.00	0.87	349.92	4,758.61	22.37	6.83	-6.90	0.42
4,853.00	1.08	349.43	4,852.60	23.95	6.54	-6.62	0.22
4,947.00	1.42	3.06	4,946.57	25.98	6.44	-6.53	0.48
5,041.00	3.11	342.50	5,040.50	29.58	5.74	-5.84	1.97
5,136.00	4.76	359.73	5,135.27	35.98	4.94	-5.07	2.12
5,230.00	3.93	355.82	5,229.00	43.09	4.69	-4.84	0.94
Tie-On for Lateral							
5,280.00	3.20	352.72	5,278.91	46.18	4.39	-4.54	1.51
First Sperry MWD Survey (Lateral) @ 5280.00 ft							
5,285.00	3.09	348.13	5,283.90	46.45	4.34	-4.50	5.49
Kick-Off point							
5,311.00	2.90	320.80	5,309.86	47.65	3.78	-3.94	5.49
5,342.00	4.62	282.40	5,340.80	48.52	2.07	-2.23	9.54
5,374.00	7.78	264.42	5,372.61	48.59	-1.35	1.18	11.48
5,405.00	11.56	253.30	5,403.17	47.49	-6.41	6.25	13.55
5,437.00	14.86	254.12	5,434.32	45.45	-13.43	13.28	10.33
5,468.00	17.45	257.18	5,464.09	43.33	-21.79	21.64	8.79
5,500.00	20.95	259.27	5,494.31	41.20	-32.09	31.95	11.14
5,531.00	24.75	260.46	5,522.87	39.09	-43.94	43.81	12.35
5,563.00	28.77	262.87	5,551.44	37.02	-58.20	58.07	13.01
5,594.00	31.71	264.64	5,578.22	35.34	-73.71	73.59	9.91
5,625.00	34.12	265.77	5,604.24	33.93	-90.50	90.38	8.02
5,657.00	36.37	268.76	5,630.37	33.07	-108.94	108.83	8.86
5,688.00	39.69	270.25	5,654.79	32.91	-128.03	127.92	11.11
5,720.00	43.81	270.46	5,678.66	33.04	-149.33	149.22	12.88
5,751.00	46.83	269.85	5,700.45	33.10	-171.37	171.26	9.84
5,782.00	50.76	268.30	5,720.87	32.71	-194.69	194.58	13.22
5,814.00	54.81	267.30	5,740.22	31.73	-220.15	220.04	12.90
5,845.00	57.97	267.22	5,757.38	30.50	-245.93	245.83	10.20
5,877.00	60.35	267.96	5,773.78	29.34	-273.38	273.28	7.70
5,908.00	62.48	268.96	5,788.61	28.61	-300.59	300.49	7.43
5,940.00	65.39	270.28	5,802.67	28.43	-329.33	329.23	9.82
5,971.00	68.10	271.82	5,814.91	28.95	-357.80	357.70	9.86
6,002.00	72.42	272.52	5,825.38	30.06	-386.95	386.85	14.10
6,034.00	76.75	272.74	5,833.88	31.48	-417.76	417.65	13.55
6,065.00	81.71	272.20	5,839.68	32.79	-448.18	448.07	16.09
6,097.00	83.23	272.53	5,843.87	34.10	-479.88	479.76	4.86
6,141.00	85.36	272.56	5,848.24	36.04	-523.61	523.49	4.84
6,235.00	92.63	274.49	5,849.89	41.82	-617.35	617.21	8.00
6,282.00	91.25	274.07	5,848.30	45.32	-664.19	664.04	3.07
6,329.00	91.52	272.25	5,847.16	47.91	-711.11	710.94	3.91
6,376.00	92.79	271.16	5,845.40	49.31	-758.05	757.88	3.56
6,425.00	93.29	270.00	5,842.80	49.80	-806.98	806.80	2.57
6,472.00	92.79	269.18	5,840.30	49.47	-853.91	853.74	2.04
6,520.00	92.66	269.22	5,838.02	48.80	-901.85	901.68	0.28
6,567.00	92.83	269.30	5,835.77	48.19	-948.79	948.62	0.40
6,615.00	91.55	268.41	5,833.94	47.23	-996.75	996.58	3.25
6,662.00	91.04	267.94	5,832.87	45.74	-1,043.71	1,043.55	1.48

Survey Report for LC Tribal #12H-28-46 - Sperry MWD Surveys (Lateral)

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
6,710.00	90.54	267.62	5,832.21	43.88	-1,091.67	1,091.51	1.24
6,757.00	91.32	269.71	5,831.45	42.78	-1,138.65	1,138.50	4.75
6,805.00	91.88	270.54	5,830.11	42.89	-1,186.63	1,186.48	2.09
6,852.00	93.53	271.02	5,827.89	43.53	-1,233.57	1,233.42	3.66
6,900.00	94.18	271.48	5,824.66	44.57	-1,281.45	1,281.29	1.66
6,947.00	93.95	271.38	5,821.33	45.74	-1,328.32	1,328.15	0.53
6,996.00	92.73	270.24	5,818.48	46.43	-1,377.23	1,377.06	3.40
7,043.00	91.58	270.14	5,816.71	46.59	-1,424.19	1,424.03	2.46
7,091.00	92.62	270.68	5,814.95	46.93	-1,472.16	1,471.99	2.44
7,138.00	91.92	270.66	5,813.09	47.48	-1,519.12	1,518.95	1.49
7,187.00	91.32	270.01	5,811.70	47.77	-1,568.10	1,567.93	1.80
7,234.00	90.44	269.98	5,810.98	47.76	-1,615.09	1,614.92	1.87
7,282.00	90.74	268.90	5,810.49	47.29	-1,663.09	1,662.92	2.34
7,329.00	90.40	269.05	5,810.02	46.45	-1,710.08	1,709.91	0.79
7,377.00	89.70	268.92	5,809.98	45.60	-1,758.07	1,757.90	1.48
7,424.00	90.30	269.33	5,809.98	44.89	-1,805.06	1,804.90	1.55
7,472.00	90.13	269.64	5,809.80	44.45	-1,853.06	1,852.90	0.74
7,519.00	91.88	270.46	5,808.97	44.50	-1,900.05	1,899.89	4.11
7,568.00	92.26	269.99	5,807.20	44.69	-1,949.02	1,948.85	1.23
7,615.00	92.39	268.52	5,805.30	44.08	-1,995.97	1,995.81	3.14
7,663.00	92.69	267.93	5,803.17	42.59	-2,043.90	2,043.75	1.38
7,710.00	91.45	267.23	5,801.47	40.61	-2,090.83	2,090.68	3.03
7,758.00	89.49	266.84	5,801.08	38.13	-2,138.76	2,138.62	4.16
7,805.00	89.29	267.46	5,801.58	35.79	-2,185.70	2,185.57	1.39
7,854.00	90.27	268.36	5,801.77	34.00	-2,234.67	2,234.54	2.72
7,901.00	91.01	268.90	5,801.24	32.88	-2,281.65	2,281.52	1.95
7,949.00	91.11	269.23	5,800.36	32.10	-2,329.63	2,329.51	0.72
7,996.00	92.63	270.12	5,798.82	31.83	-2,376.61	2,376.48	3.75
8,044.00	93.33	270.06	5,796.33	31.90	-2,424.54	2,424.42	1.46
8,091.00	94.38	270.00	5,793.17	31.93	-2,471.43	2,471.31	2.24
8,140.00	92.26	267.21	5,790.33	30.74	-2,520.33	2,520.21	7.14
8,187.00	91.11	267.50	5,788.95	28.57	-2,567.26	2,567.15	2.52
8,235.00	92.15	268.11	5,787.58	26.73	-2,615.20	2,615.10	2.51
8,282.00	91.01	268.14	5,786.28	25.19	-2,662.16	2,662.06	2.43
8,331.00	91.51	268.28	5,785.21	23.66	-2,711.12	2,711.03	1.06
8,378.00	91.65	268.58	5,783.91	22.38	-2,758.09	2,758.00	0.70
8,426.00	91.58	268.34	5,782.56	21.09	-2,806.05	2,805.96	0.52
8,473.00	90.30	268.15	5,781.79	19.65	-2,853.02	2,852.94	2.75
8,521.00	89.76	267.97	5,781.76	18.02	-2,900.99	2,900.92	1.19
8,568.00	89.76	268.58	5,781.96	16.61	-2,947.97	2,947.90	1.30
8,615.00	90.67	267.98	5,781.78	15.20	-2,994.95	2,994.88	2.32
8,662.00	91.38	268.33	5,780.94	13.68	-3,041.92	3,041.85	1.68
8,710.00	91.18	268.62	5,779.87	12.41	-3,089.89	3,089.83	0.73
8,757.00	90.67	268.12	5,779.11	11.07	-3,136.86	3,136.81	1.52
8,805.00	92.66	269.23	5,777.72	9.96	-3,184.83	3,184.78	4.75
8,852.00	93.50	269.36	5,775.19	9.38	-3,231.76	3,231.70	1.81
8,900.00	93.56	269.56	5,772.24	8.93	-3,279.66	3,279.61	0.43
8,947.00	93.49	269.56	5,769.35	8.57	-3,326.57	3,326.52	0.15
8,995.00	93.09	269.62	5,766.59	8.23	-3,374.49	3,374.44	0.84
9,042.00	92.90	269.53	5,764.14	7.88	-3,421.43	3,421.38	0.45
9,090.00	91.51	268.62	5,762.29	7.11	-3,469.38	3,469.34	3.46

Survey Report for LC Tribal #12H-28-46 - Sperry MWD Surveys (Lateral)

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
9,137.00	92.05	268.76	5,760.83	6.03	-3,516.35	3,516.31	1.19
9,186.00	90.84	268.80	5,759.59	4.99	-3,565.32	3,565.28	2.47
9,233.00	90.54	269.03	5,759.03	4.10	-3,612.31	3,612.27	0.80
9,281.00	91.14	269.23	5,758.32	3.37	-3,660.30	3,660.26	1.32
9,328.00	89.56	269.08	5,758.04	2.68	-3,707.29	3,707.26	3.38
9,376.00	89.19	268.93	5,758.56	1.84	-3,755.28	3,755.25	0.83
9,423.00	89.36	268.41	5,759.15	0.75	-3,802.26	3,802.24	1.16
9,471.00	89.66	268.90	5,759.57	-0.37	-3,850.25	3,850.23	1.20
9,518.00	89.76	268.88	5,759.80	-1.28	-3,897.24	3,897.22	0.22
9,526.00	89.83	269.01	5,759.83	-1.43	-3,905.24	3,905.22	1.85
Final Sperry MWD Survey(Lateral) @ 9526.00 ft							
9,574.00	89.83	269.01	5,759.97	-2.26	-3,953.23	3,953.21	0.00
Straight Line Projection to TD (Lateral) @ 9574.00 ft							

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
0.00	0.00	0.00	0.00	Tie-On
137.00	136.99	-0.06	-1.13	First Sperry MWD Survey(Pilot Hole) @ 137.00 ft
5,230.00	5,229.00	43.09	4.69	Tie-On for Lateral
5,280.00	5,278.91	46.18	4.39	First Sperry MWD Survey (Lateral) @ 5280.00 ft
5,285.00	5,283.90	46.45	4.34	Kick-Off point
9,526.00	5,759.83			Final Sperry MWD Survey(Lateral) @ 9526.00 ft
9,574.00	5,759.97	1.49	-3.82	Straight Line Projection to TD (Lateral) @ 9574.00 ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
Target	LC Tribal #12H-28-46 Plan A-2 Lateral_BHL TGT	269.81	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
137.00	9,574.00	Sperry MWD Surveys (Lateral)	MWD

Survey Report for LC Tribal #12H-28-46 - Sperry MWD Surveys (Lateral)

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LC Tribal #12H-28-4 - survey hits target center - Point	0.00	-0.63	0.00	0.00	0.00	645,570.26	2,263,231.45	40° 6' 7.070357 N	106° 33' 32.241600 W
LC Tribal #12H-28-4 - survey hits target center - Polygon	0.00	-0.63	0.00	0.00	0.00	645,570.26	2,263,231.45	40° 6' 7.070357 N	106° 33' 32.241600 W
LC Tribal #12H-28-4 - survey misses target center by 132.34ft at 9574.00ft MD (5759.97 TVD, -2.26 N, -3953.23 E) - Point	0.00	0.00	5,765.00	-13.87	-4,084.96	645,513.42	2,259,147.23	40° 6' 6.929957 N	106° 34' 24.808800 W

North Reference Sheet for Sec. 28-T4S-R6W - LC Tribal #12H-28-46 - Plan A Rev 2 (Lateral)

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 24' @ 7277.00ft (H&P 319). Northing and Easting are relative to LC Tribal #12H-28-46

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000000 W°, Longitude Origin: 0° 0' 0.000000 E°, Latitude Origin: 40° 38' 60.000000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99990965

Grid Coordinates of Well: 645,570.26 ft N, 2,263,231.45 ft E

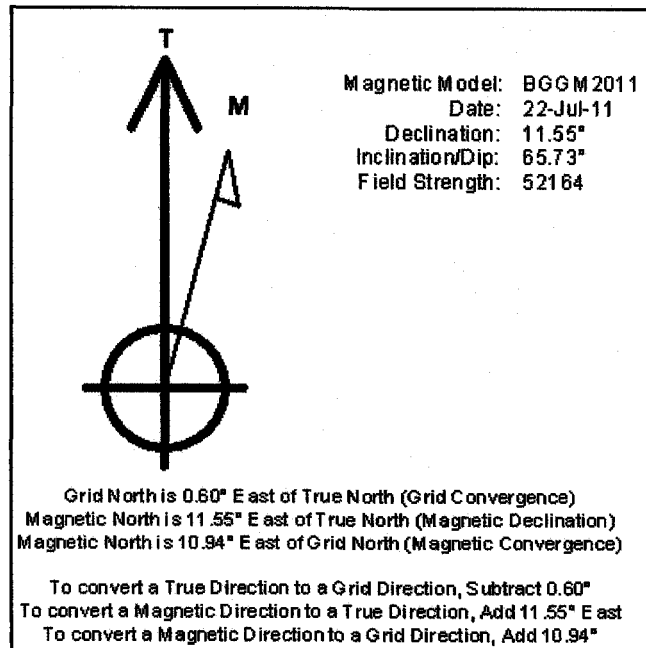
Geographical Coordinates of Well: 40° 06' 07.07" N, 110° 33' 32.24" W

Grid Convergence at Surface is: 0.60°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,574.00ft

the Bottom Hole Displacement is 3,953.23ft in the Direction of 269.97° (True).

Magnetic Convergence at surface is: -10.94° (22 July 2011, , BGGM2011)



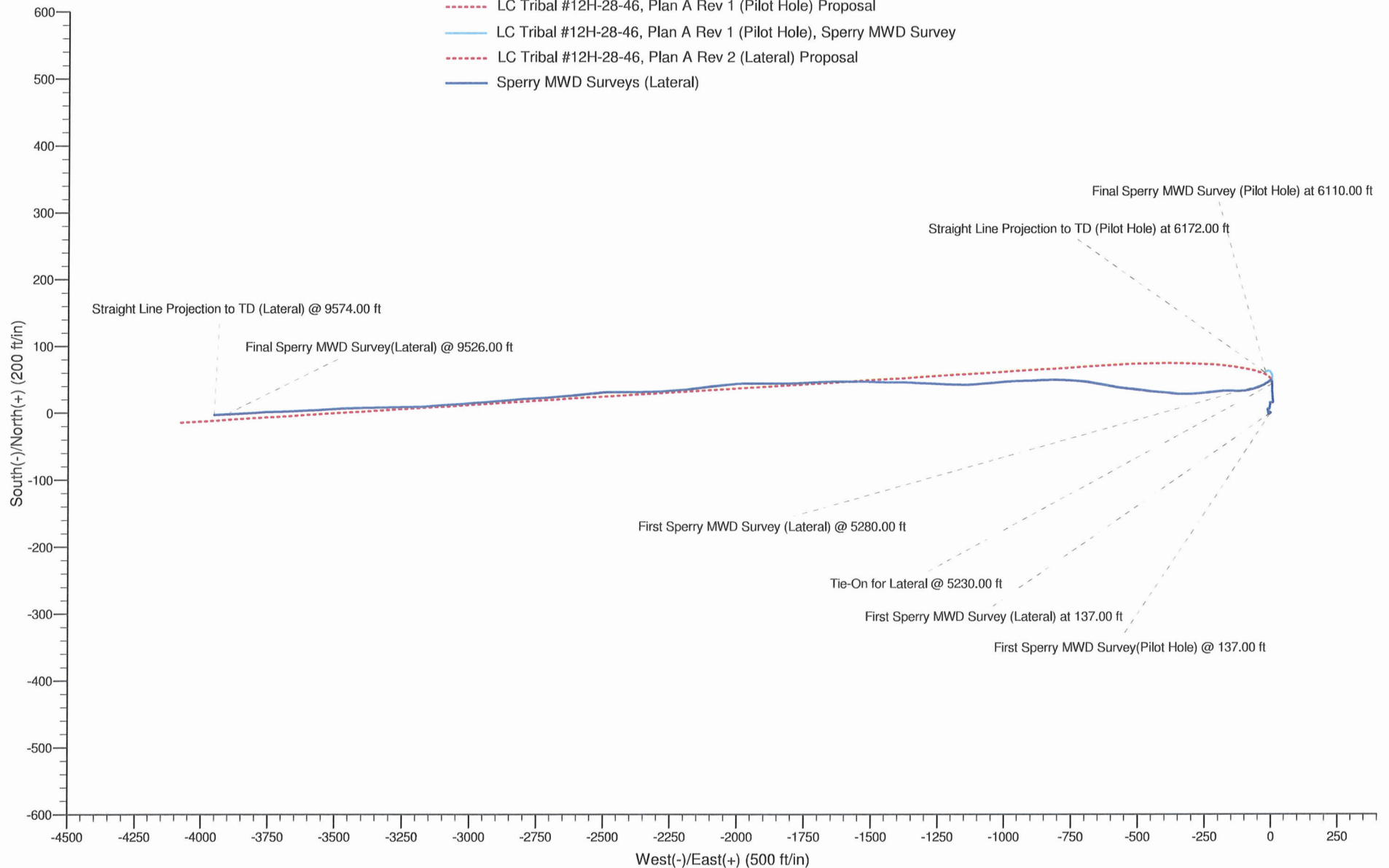
Project: Duchesne County, UT (NAD 1927)
Site: Sec. 28-T4S-R6W
Well: LC Tribal #12H-28-46

Bill Barrett Corp

HALLIBURTON
Sperry Drilling

LEGEND

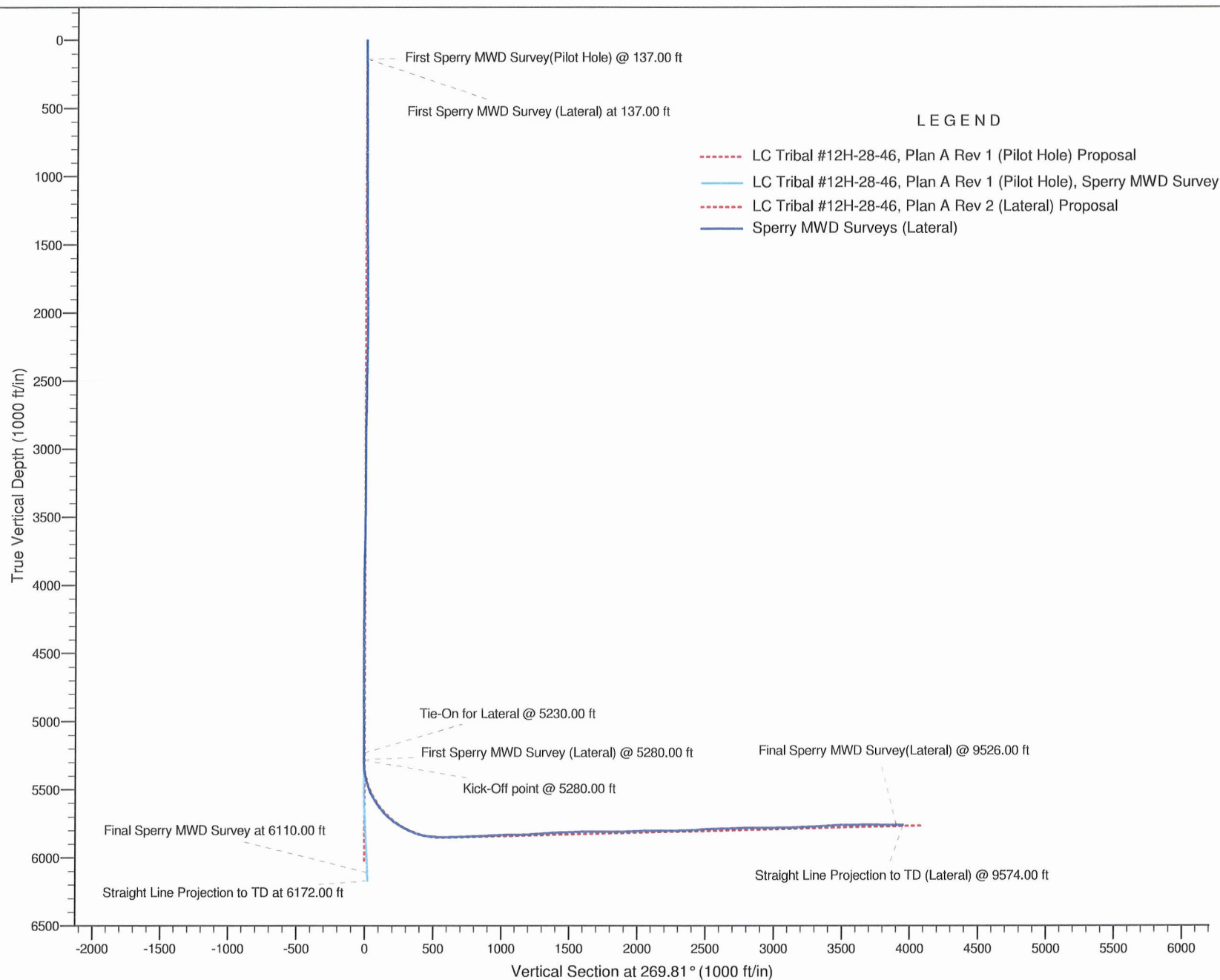
- LC Tribal #12H-28-46, Plan A Rev 1 (Pilot Hole) Proposal
- LC Tribal #12H-28-46, Plan A Rev 1 (Pilot Hole), Sperry MWD Survey
- LC Tribal #12H-28-46, Plan A Rev 2 (Lateral) Proposal
- Sperry MWD Surveys (Lateral)



Project: Duchesne County, UT (NAD 1927)
Site: Sec. 28-T4S-R6W
Well: LC Tribal #12H-28-46

Bill Barrett Corp

HALLIBURTON
Sperry Drilling



Effective Date: 11/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126		Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161		Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175		Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176		Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186		Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944		Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945		Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946		Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947		Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056		Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057		Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059		Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060		Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061		Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066		Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067		Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068		Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069		Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070		Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071		Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072		Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075		Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076		Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077		Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078		Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079		Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080		Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081		Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082		Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083		Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084		Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085		Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122		Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123		Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124		Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125		Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126		Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127		Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128		Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130		Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
Telephone: (801) 683-4245
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley
Permit Analyst

RECEIVED
OCT 21 2016
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

RIG II, LLC

N4055

3. ADDRESS OF OPERATOR:

1582 West 2600 South

CITY Wood Cross

STATE UT

ZIP 84087

PHONE NUMBER:

(801) 683-4245

4. LOCATION OF WELL

FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

11/1/2016

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC

1582 West 2600 South

Woods Cross, Utah 84087-0298

801-683-4245

(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165

Duane Zavala

NAME (PLEASE PRINT)

Duane Zavala

SIGNATURE

Senior Vice President -

EH&S, Government and Regulatory Affairs

RIG II, LLC

Jesse McSwain

NAME (PLEASE PRINT)

Jesse McSwain

SIGNATURE

Manager

NAME (PLEASE PRINT) Jesse McSwain

TITLE Manager

SIGNATURE

Jesse McSwain

DATE

10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

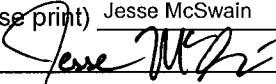
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	(See attached list)
API number:	
Location:	Qtr-Qtr: Section: Township: Range:
Company that filed original application:	Bill Barrett Corporation
Date original permit was issued:	
Company that permit was issued to:	Bill Barrett Corporation

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager
Signature  Date 10/20/16
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

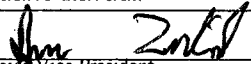
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

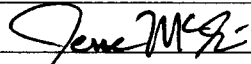
Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

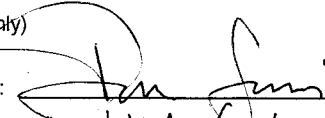
CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Senior Vice President -
Phone: <u>(303) 293-9100</u>	Title: <u>EH&S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

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Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

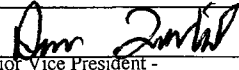
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

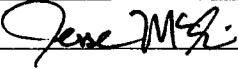
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016


CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

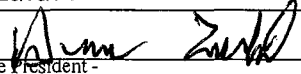
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

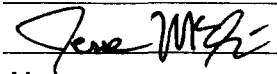
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

*This well was approved by USEPA.
EPA approval will be required.*